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2
3 **Engineering Figures**

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APPENDIX 4A

ENGINEERING FIGURES

The figures listed below are included in this appendix, and are to be used in conjunction with the text in the DWPA Chapter 4.

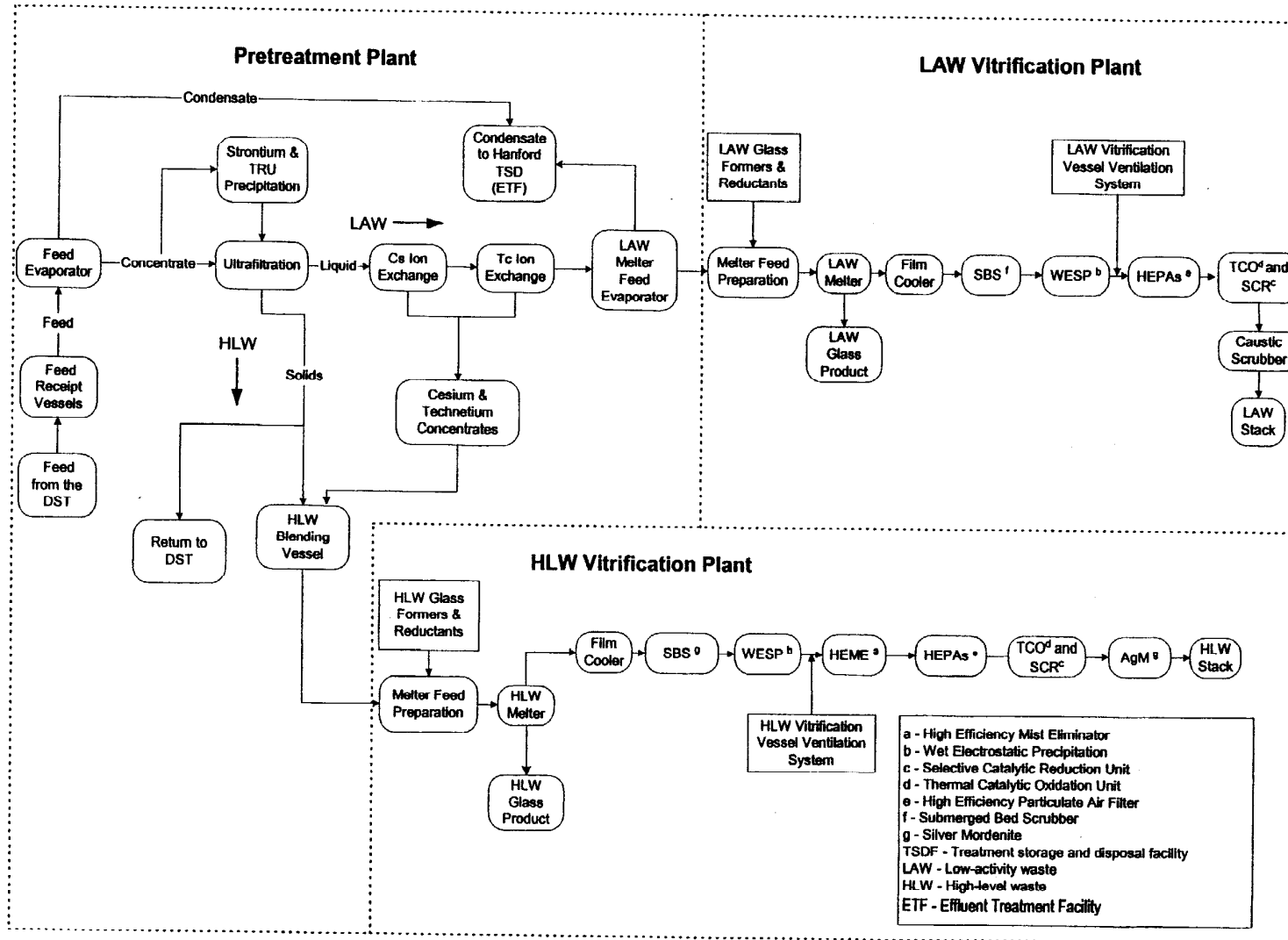
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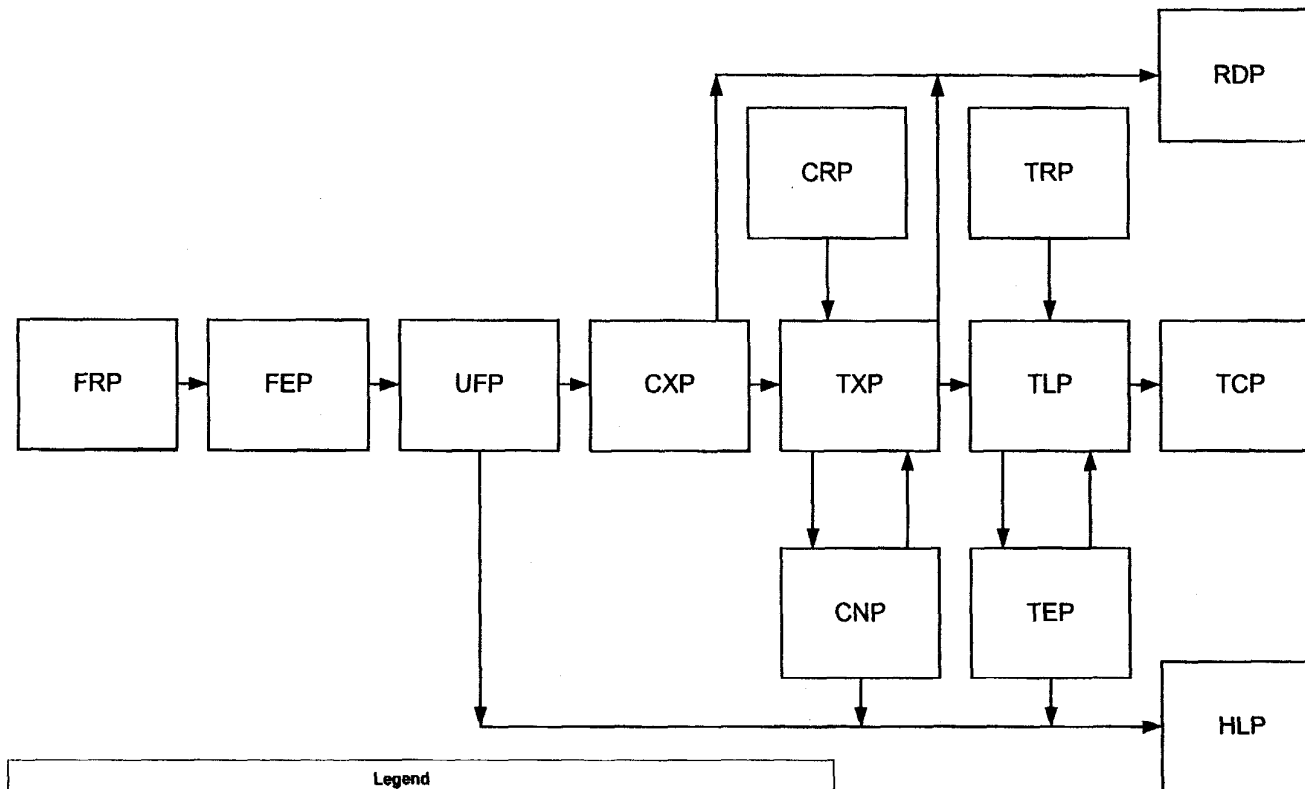
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Figure 4A-1 WTP Simplified Flow Diagram



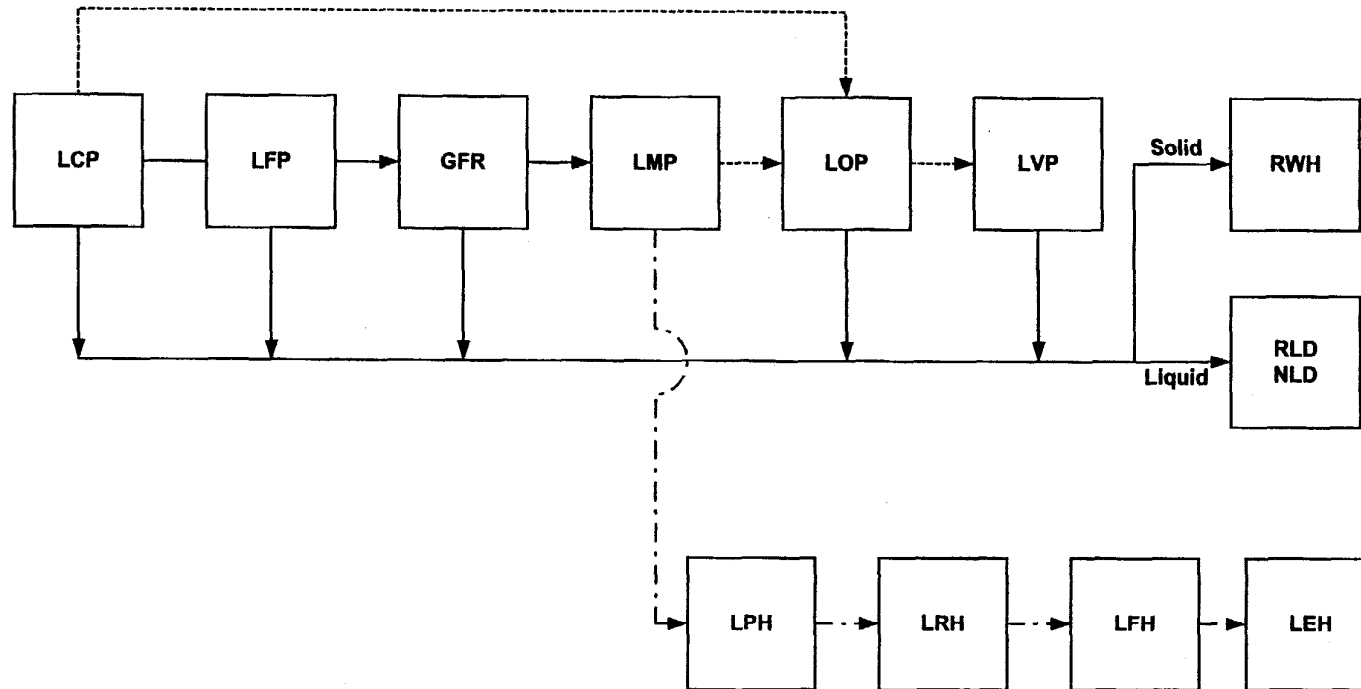
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Figure 4A-2 Primary Pretreatment Process Systems



Legend			
FRP:	Waste Feed Receipt Process System	CRP:	Cesium Resin Addition Process System
FEP:	Waste Feed Evaporation Process System	TXP:	Technetium Ion Exchange Process System
UFP:	Ultrafiltration Process System	TRP:	Technetium Resin Addition Process System
CXP:	Cesium Ion Exchange Process System	RDP:	Spent Resin Collection and Dewatering Process System
CNP:	Cesium Nitric Acid Recovery Process System	HLP:	HLW Lag Storage and Blending Process System
TLP:	Treated LAW Evaporation Process System	TCP:	Treated LAW Concentrate Storage Process System
TEP:	Technetium Eluant Recovery Process System		

Figure 4A-3 Primary LAW Vitrification Systems



Legend

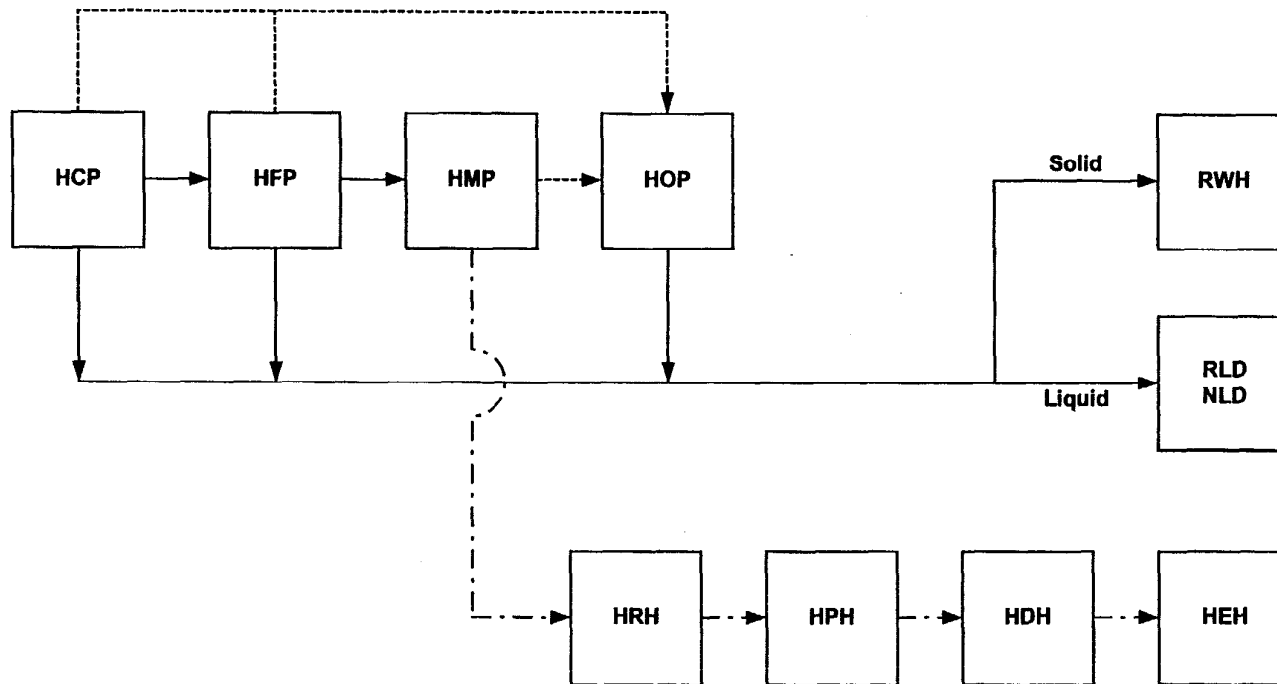
— Waste Flow
 - - - - - Vessel Vent/Offgas Flow
 - . - . - Glass Flow

LCP: LAW Concentrate Receipt Process System
 LFP: LAW Melter Feed Process System
 GFR: Glass Former Reagent System
 LMP: LAW Melter Process System
 LOP: LAW Primary Offgas Process System

LVP: LAW Secondary Offgas/Vessel Vent Process System
 RWH: Radioactive Solid Waste Handling System
 RLD: Radioactive Liquid Waste Disposal System
 NLD: Non-Radioactive Liquid Waste Disposal System

LPH: LAW Container Pour Handling System
 LRF: LAW Container Receipt Handling System
 LFH: LAW Container Finishing Handling System
 LEH: LAW Container Export Handling System

Figure 4A-4 Primary HLW Vitrification Systems



Legend

- Waste Flow
- - - - - Vessel Vent/Offgas Flow
- . - . - Glass Flow

HCP: HLW Cave Receipt Process System

HFP: HLW Melter Feed Process System

HMP: HLW Melter Process System

HOP: HLW Melter Offgas Treatment Process System

RWH: Radioactive Solid Waste Handling System

RLD: Radioactive Liquid Waste Disposal System

NLD: Non-Radioactive Liquid Waste Disposal System

HRH: HLW Canister Receipt Handling System

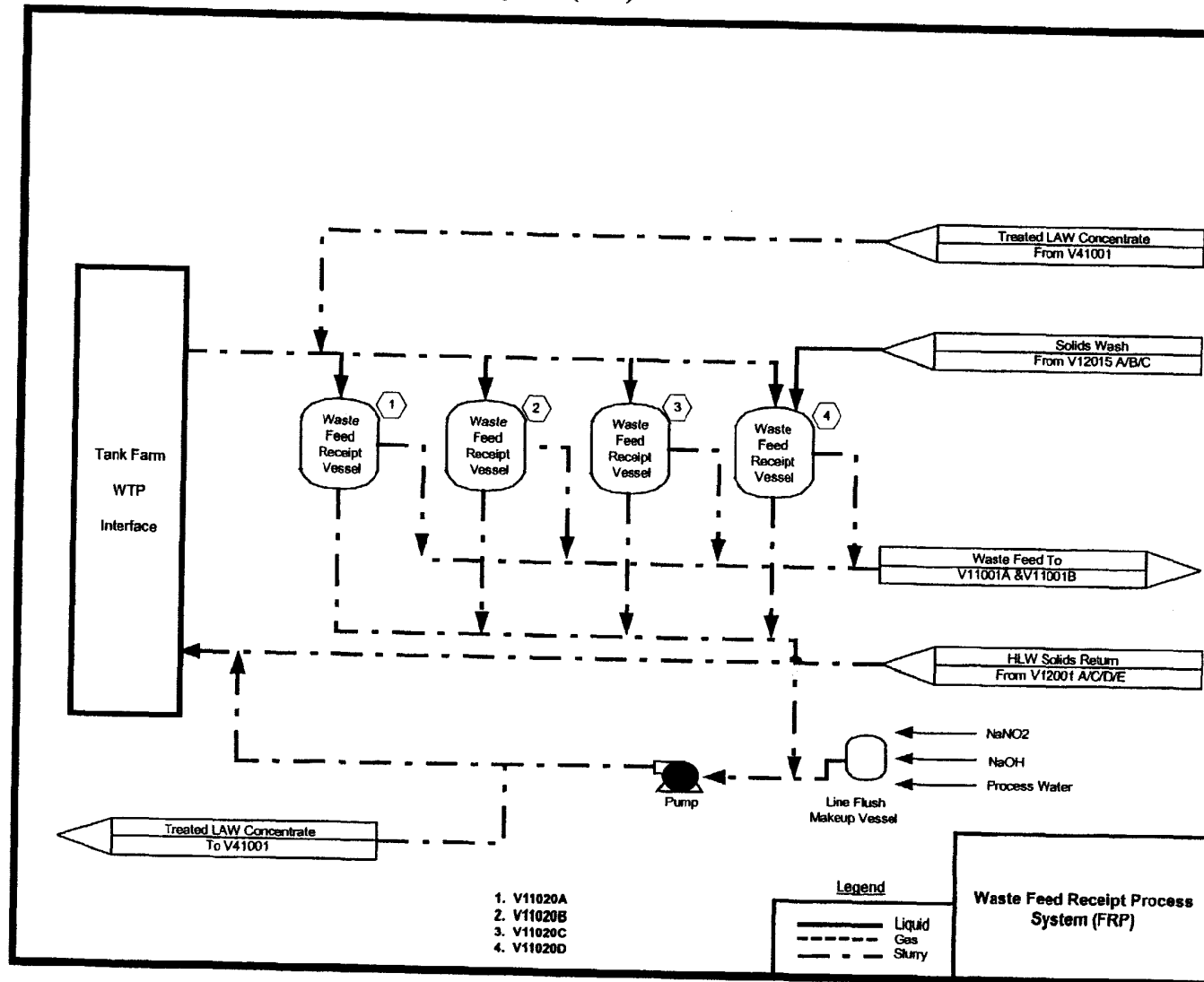
HPH: HLW Canister Pour Handling System

HEH: HLW Canister Export Handling System

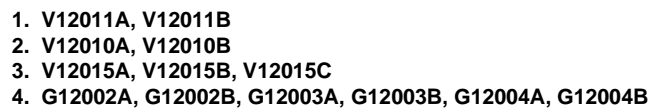
HDH: HLW Canister Decontamination

Handling System

Figure 4A-5 Waste Feed Receipt Process System (FRP)

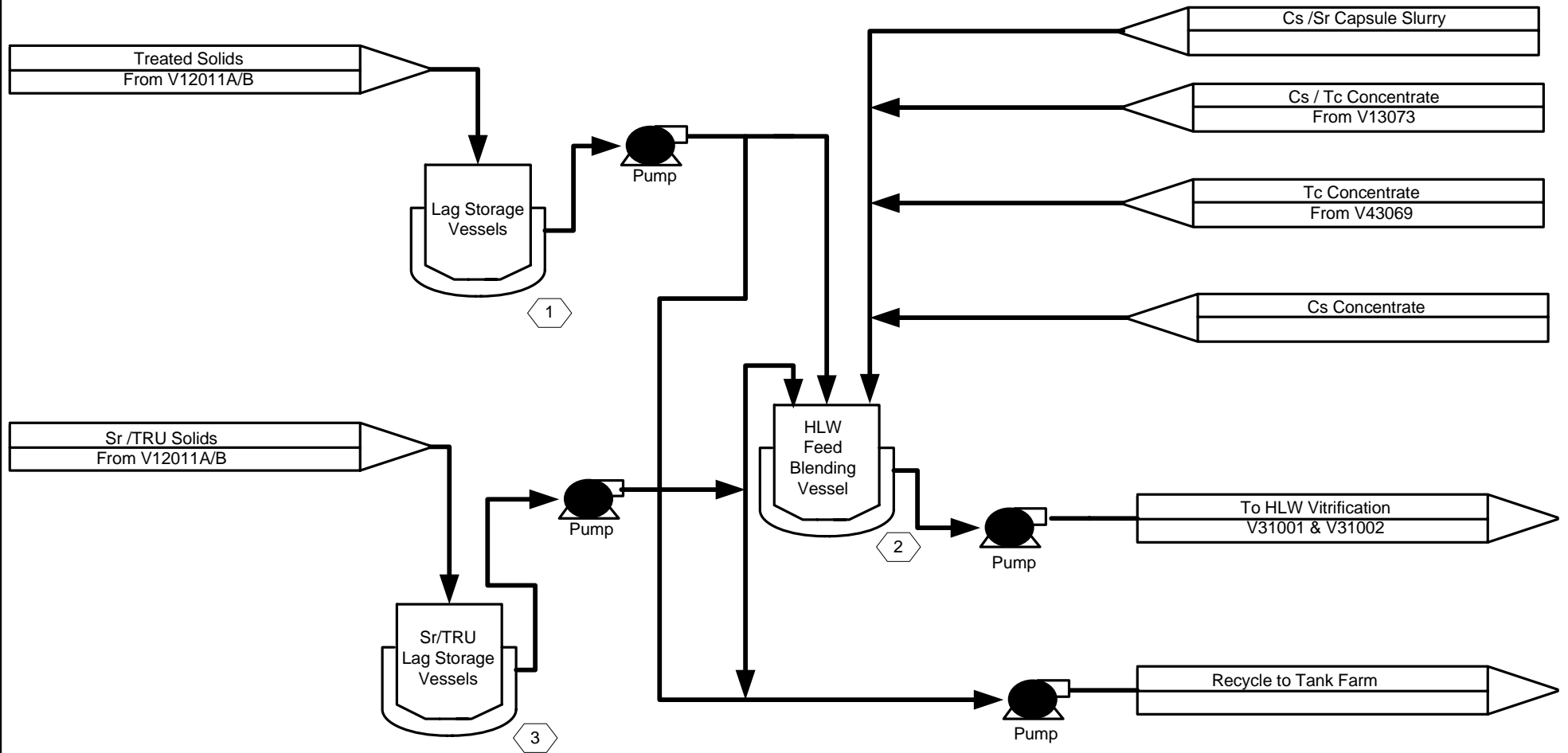


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	Liquid
	Gas
	Slurry

Figure 4A-7



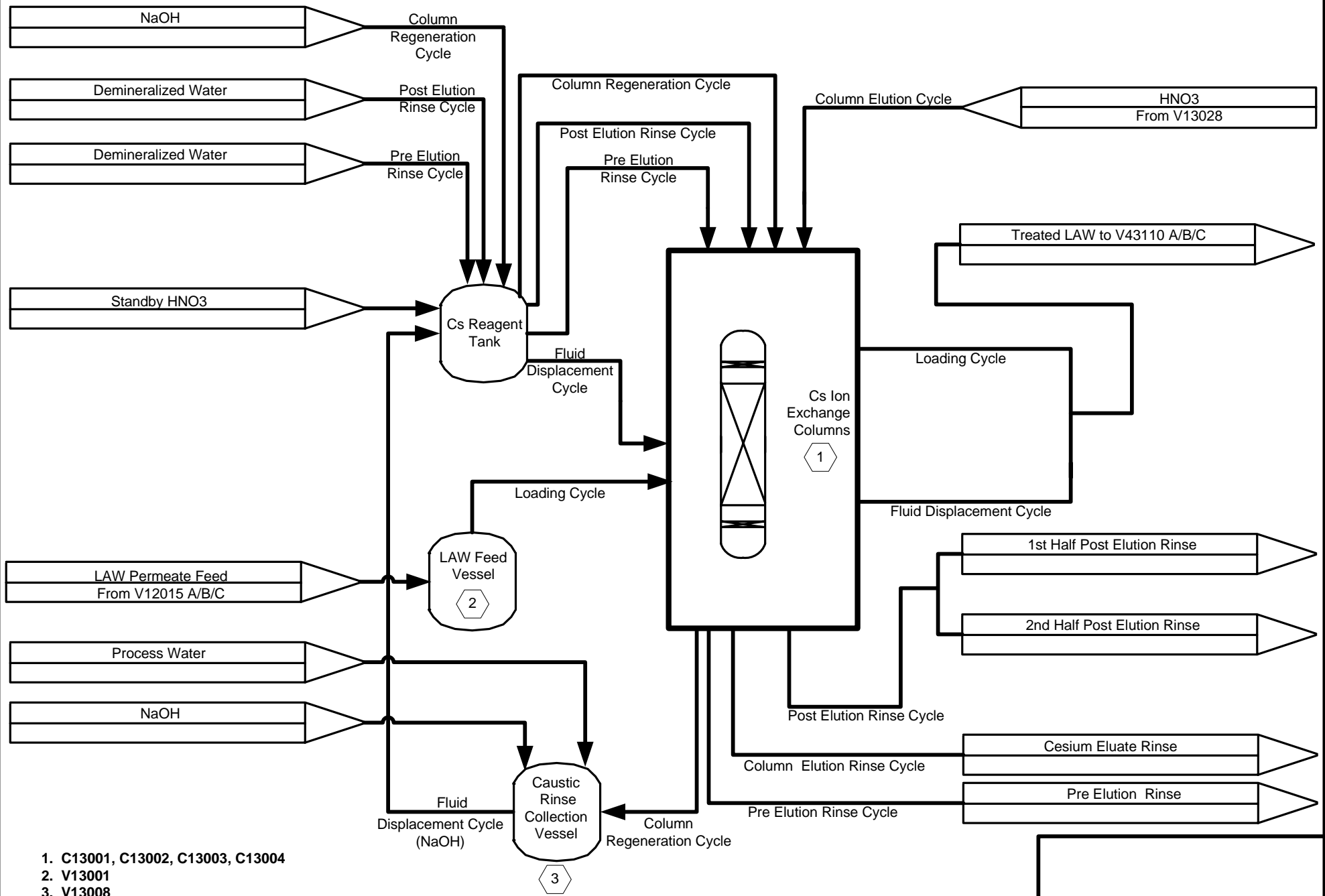
1. V12001D/E
2. V12007
3. V12001A/C

Legend

— Liquid
 - - - Gas
 — . — Slurry

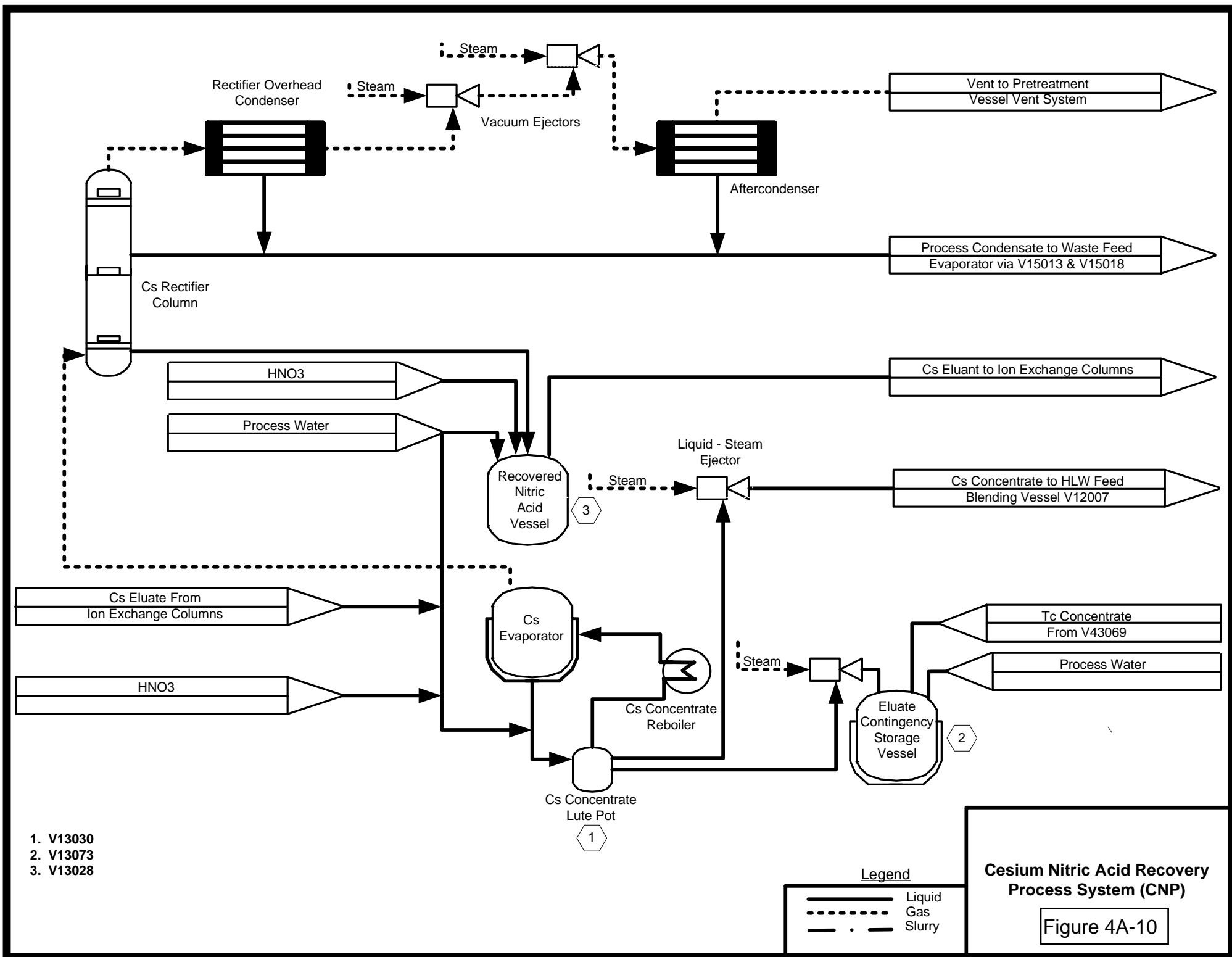
HLW Lag Storage and Feed Blending Process System (HLP)

Figure 4A-8



**Cesium Ion Exchange
Process System (CXP)**

Figure 4A-9



1. V13030
2. V13073
3. V13028

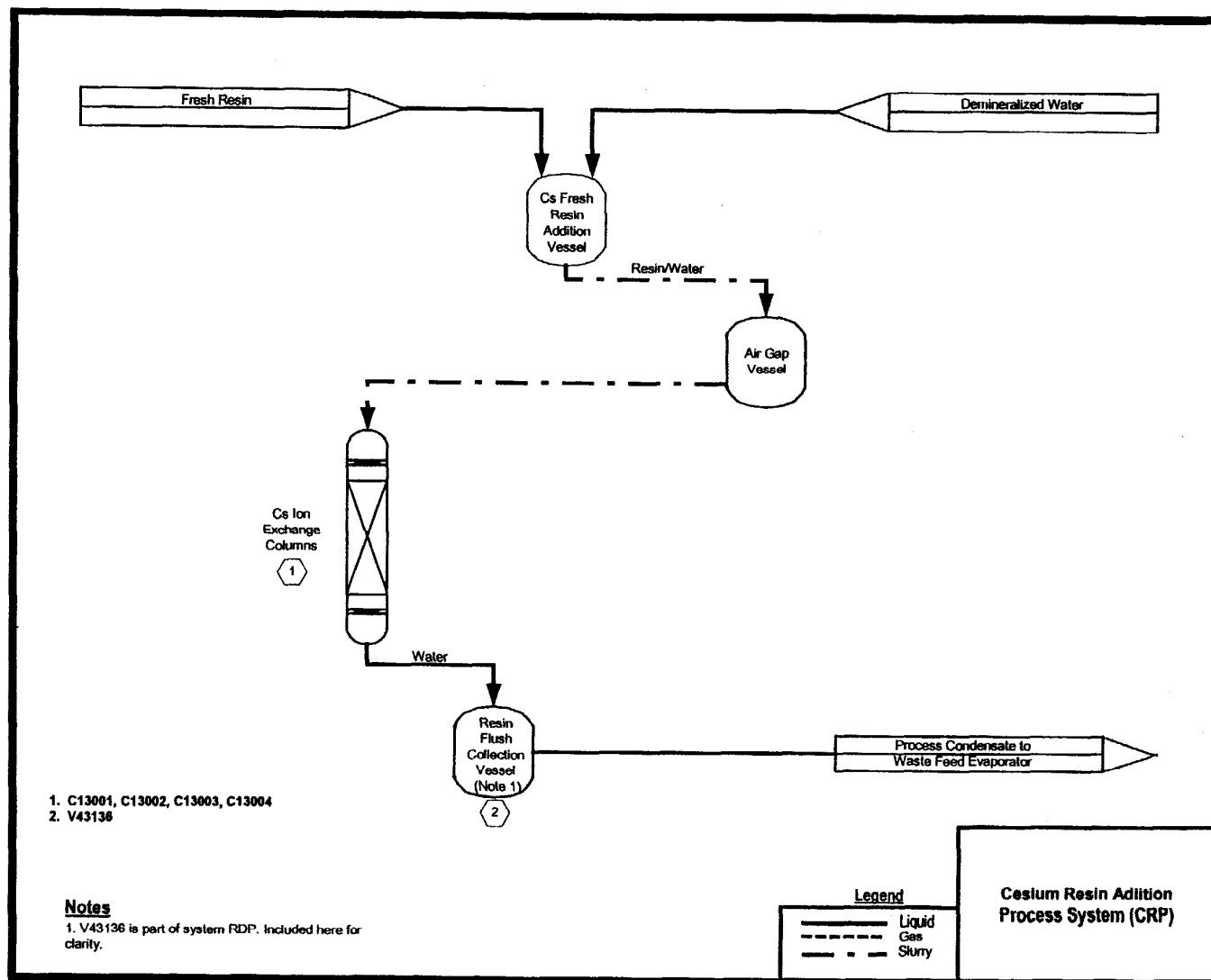
Legend

— Liquid
 --- Gas
 - . - Slurry

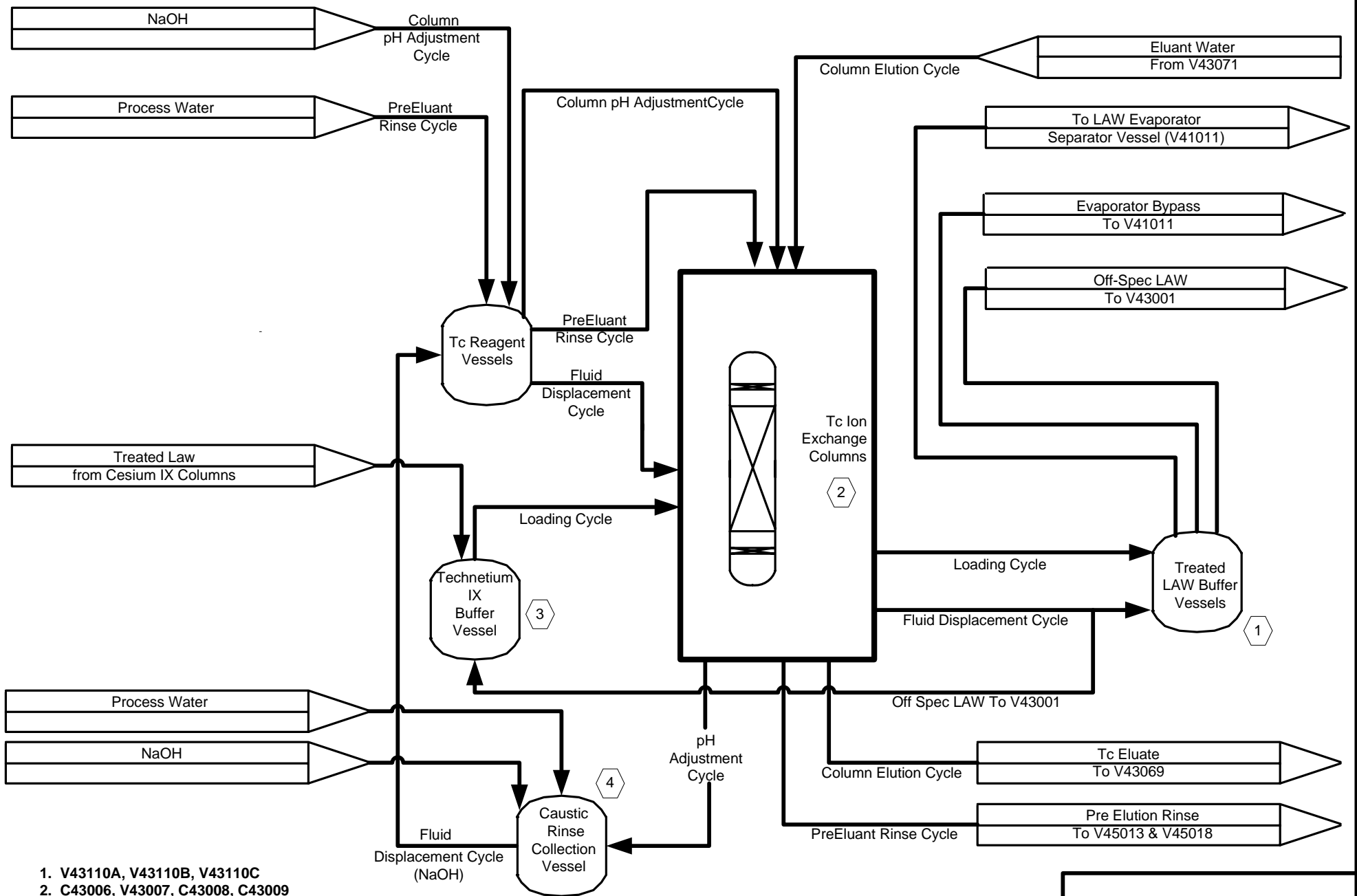
**Cesium Nitric Acid Recovery
 Process System (CNP)**

Figure 4A-10

Figure 4A-11 Cesium Resin Addition Process System (CRP)



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1. V43110A, V43110B, V43110C
2. C43006, V43007, C43008, C43009
3. V43001
4. V43056

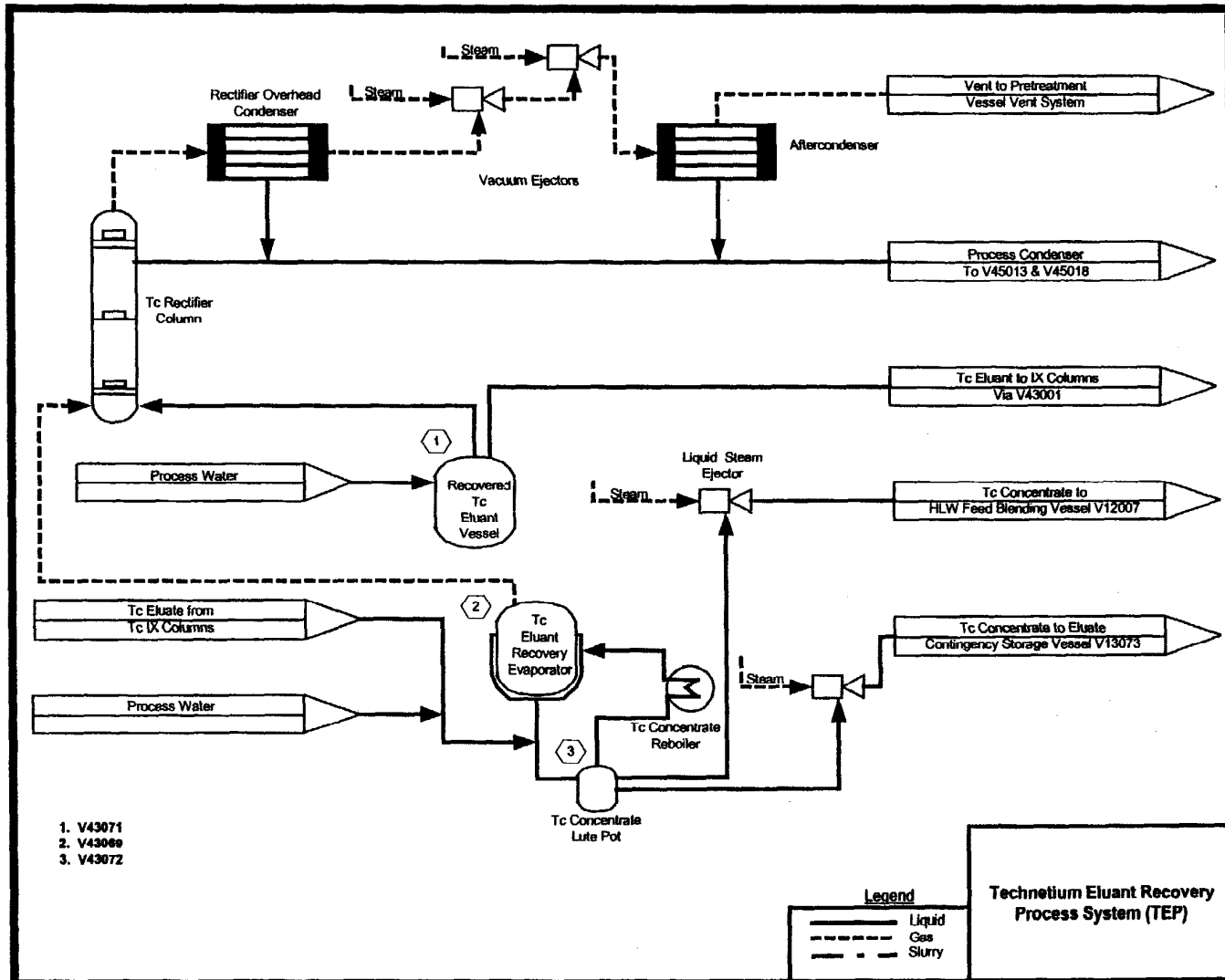
Legend

—	Liquid
---	Gas
- . -	Slurry

Technetium Ion Exchange Process System (TXP)

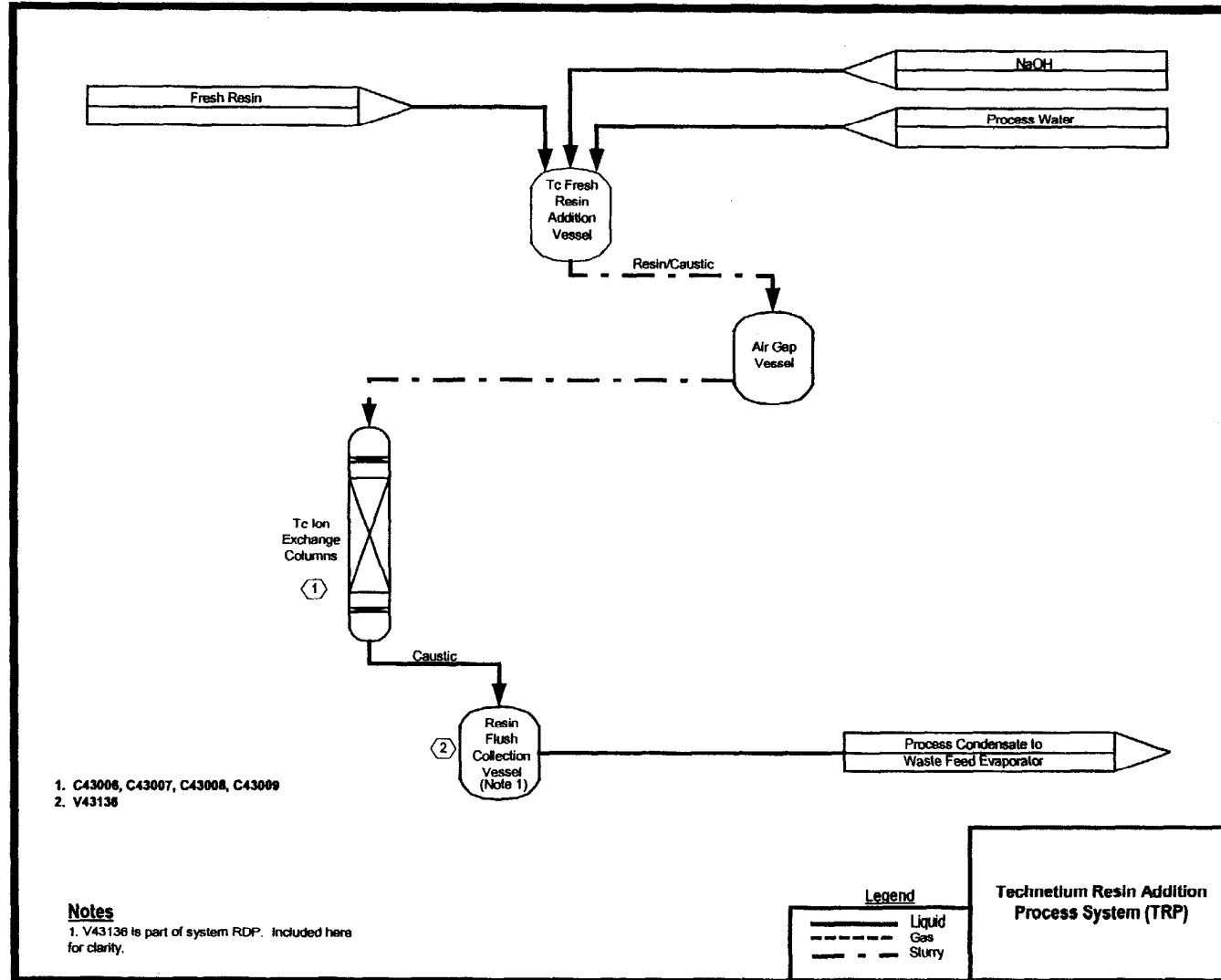
Figure 4A-12

Figure 4A-13 Technetium Eluant Recovery Process System (TEP)

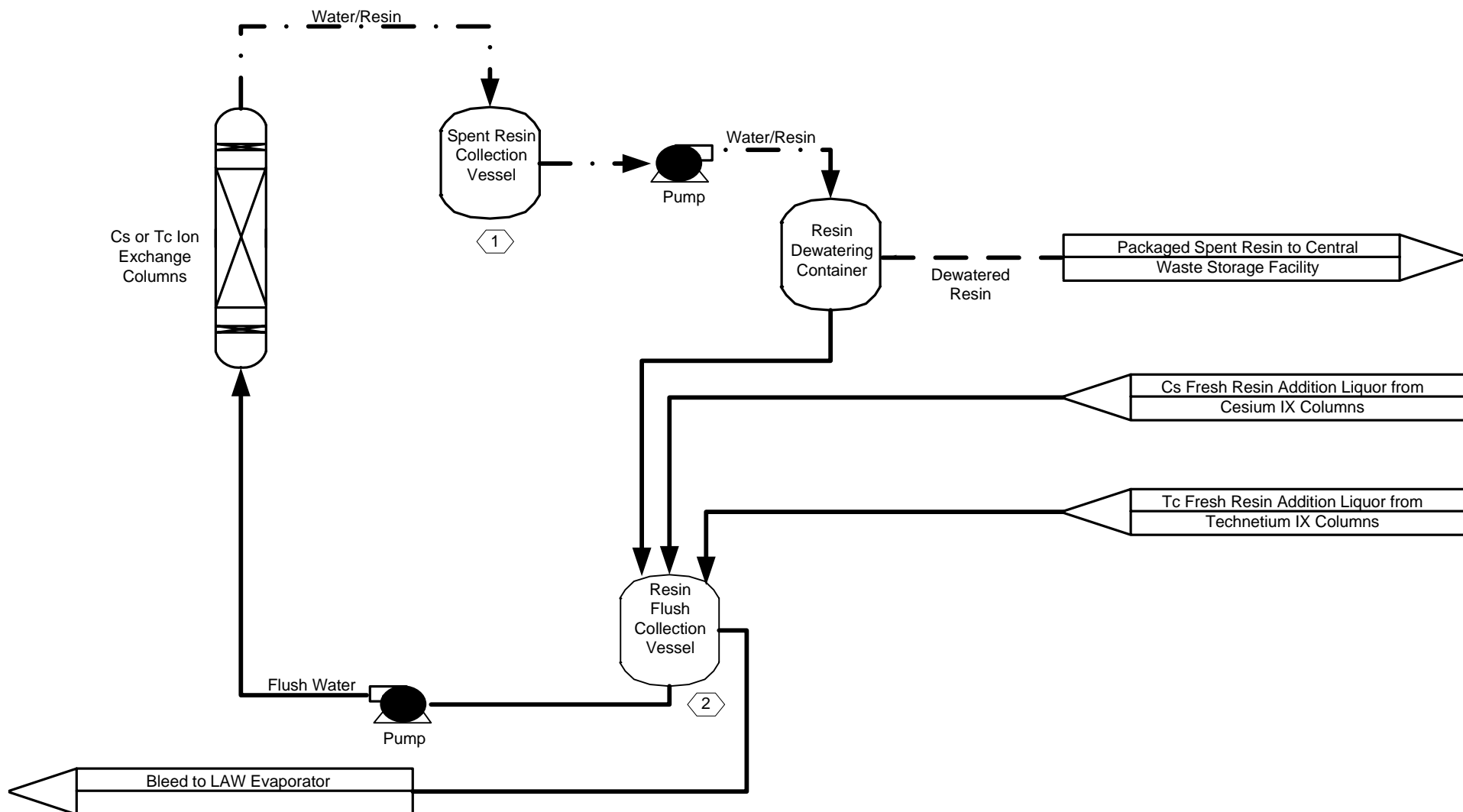


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Figure 4A-14 Technetium Resin Addition Process System (TRP)



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1. V43135A and V43135B
2. V43136

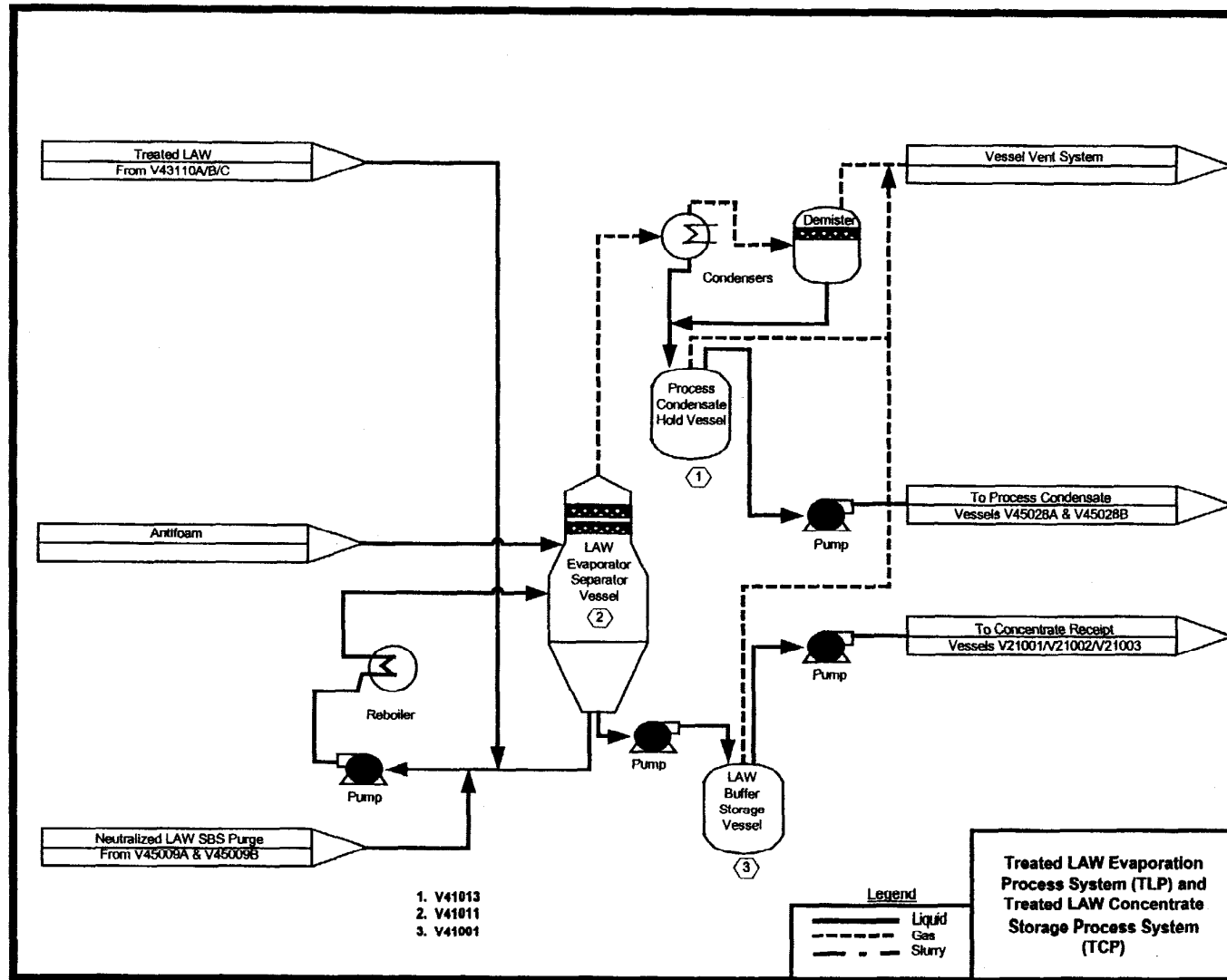
Legend

—	Liquid
---	Gas
- . -	Slurry
— —	Solids

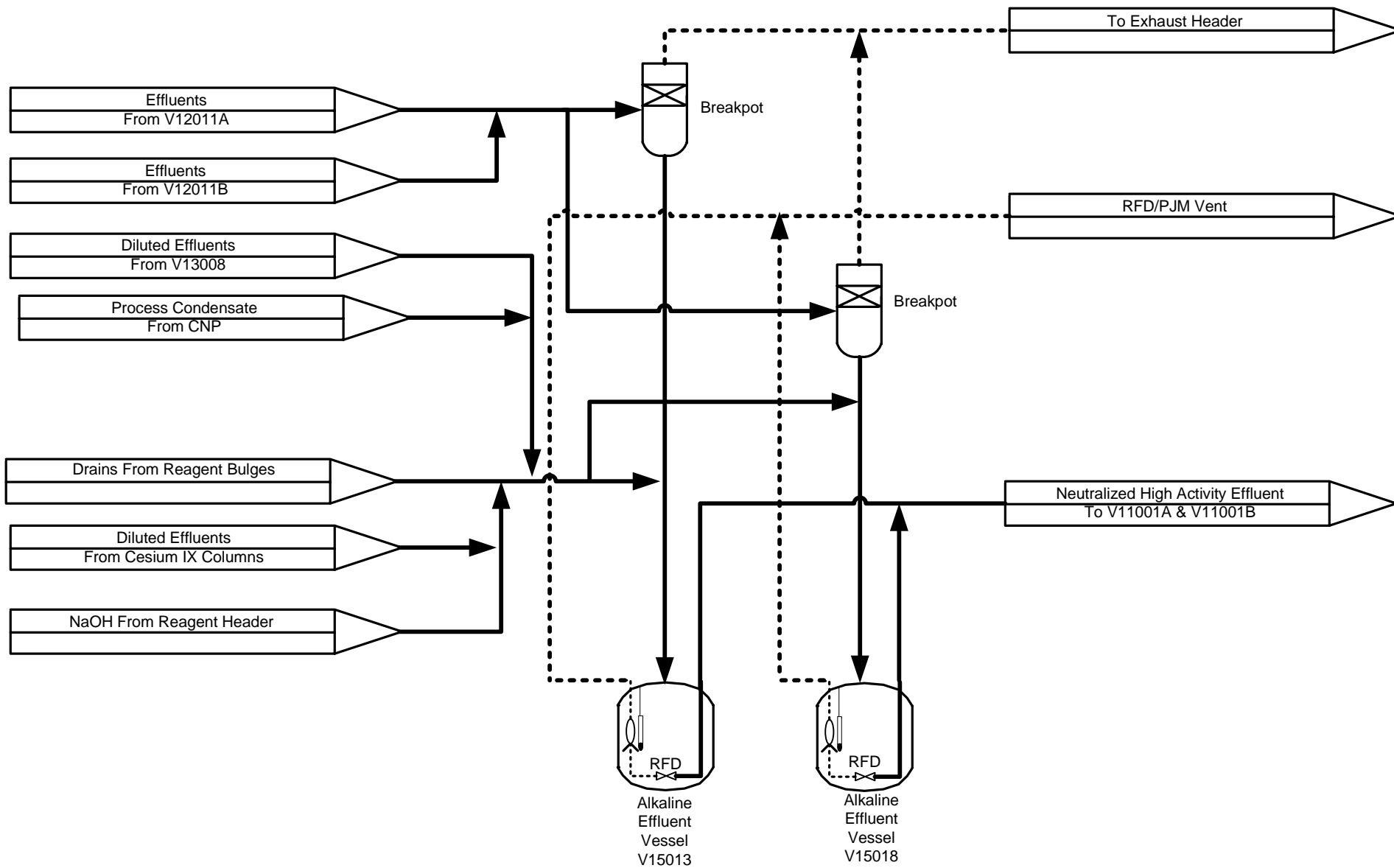
**Spent Resin and Dewatering
Process System (RDP)**

Figure 4A-15

Figure 4A-16 Treated LAW Evaporation Process System (TLP) and Treated LAW Concentrate Storage Process System (TCP)



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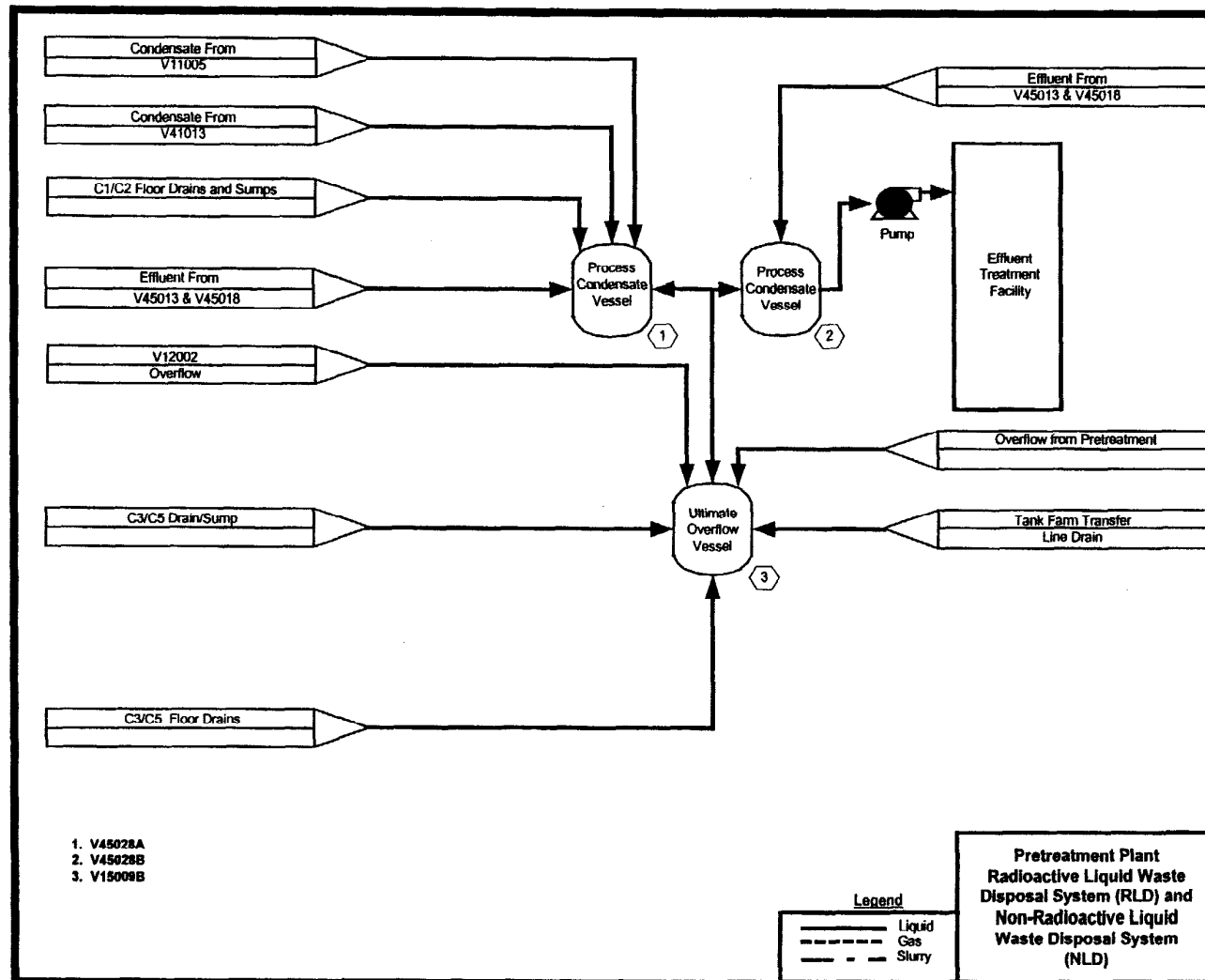
Legend

—	Liquid
- - -	Gas
- . -	Slurry

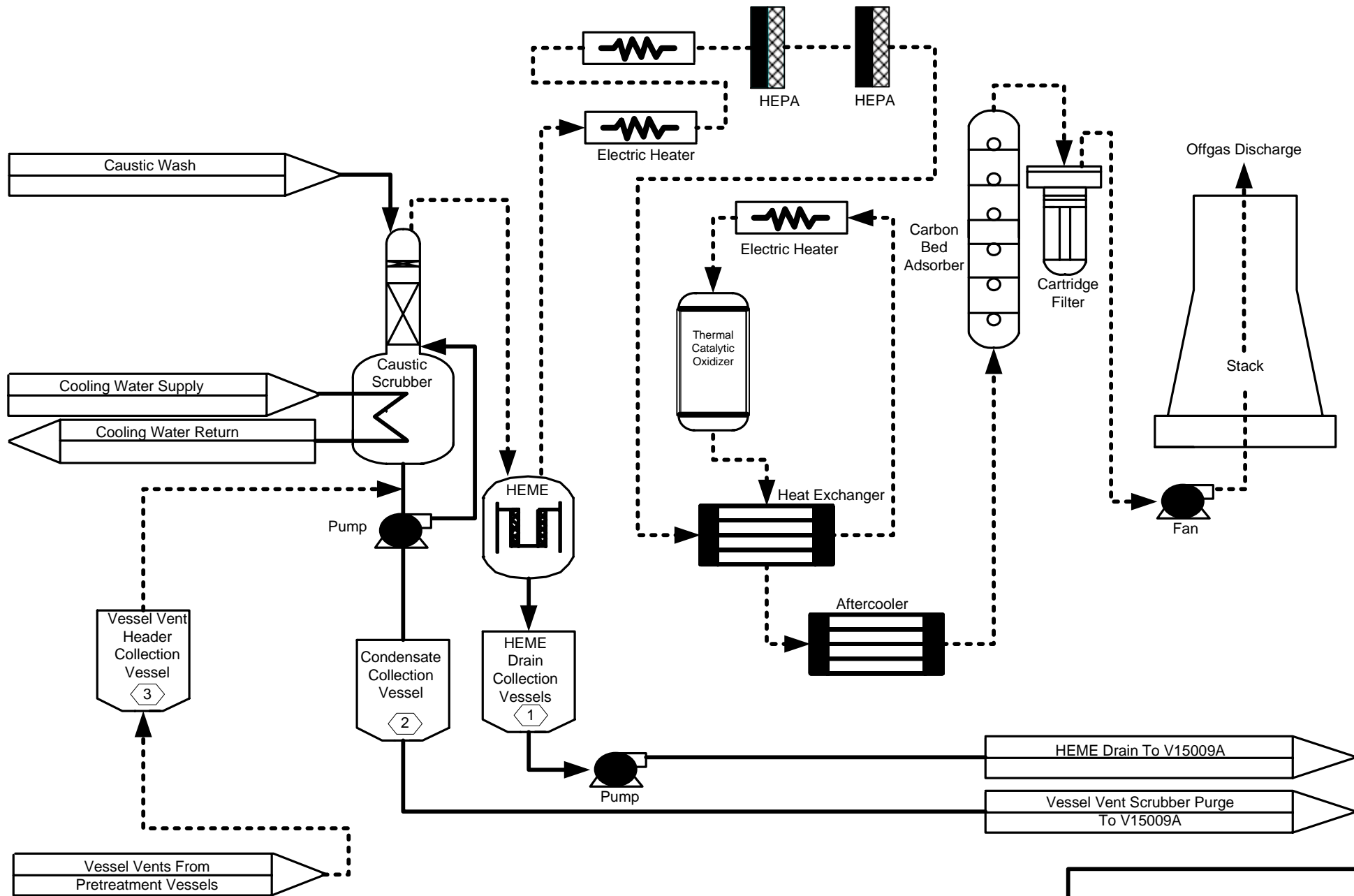
Plant Wash and Disposal System (PWD)

Figure 4A-17

Figure 4A-18 Pretreatment Plant Radioactive Liquid Waste Disposal System (RLD) and Non-Radioactive Liquid Waste Disposal System (NLD)



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1. V15326 and V15327
2. V15038
3. V15052

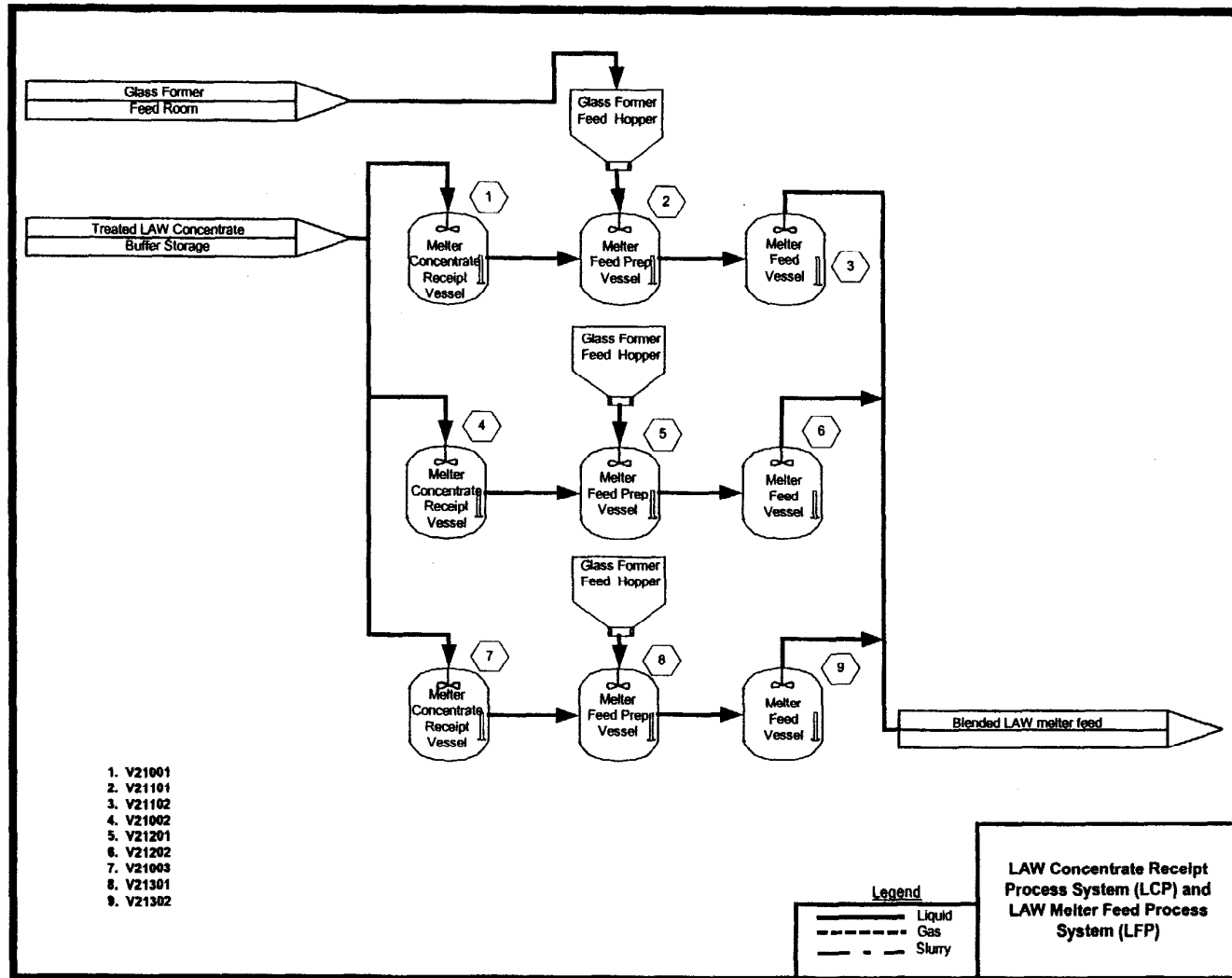
Legend

	Liquid
	Gas
	Slurry

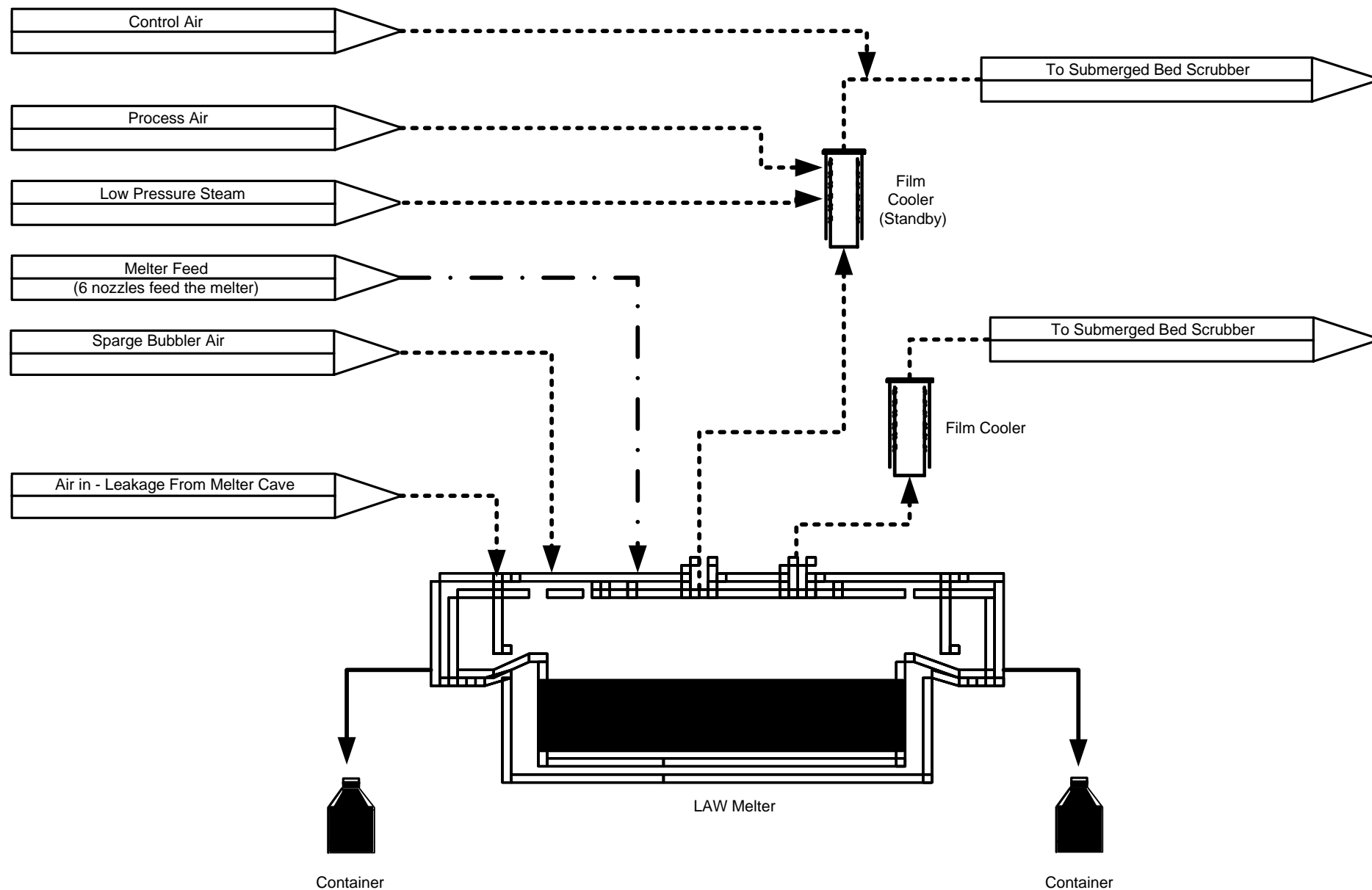
**Pretreatment Plant Vessel Vent
Process System (PVP)**

Figure 4A-19

Figure 4A-20 LAW Concentrate Receipt Process System (LCP) and LAW Melter Feed Process System (LFP)



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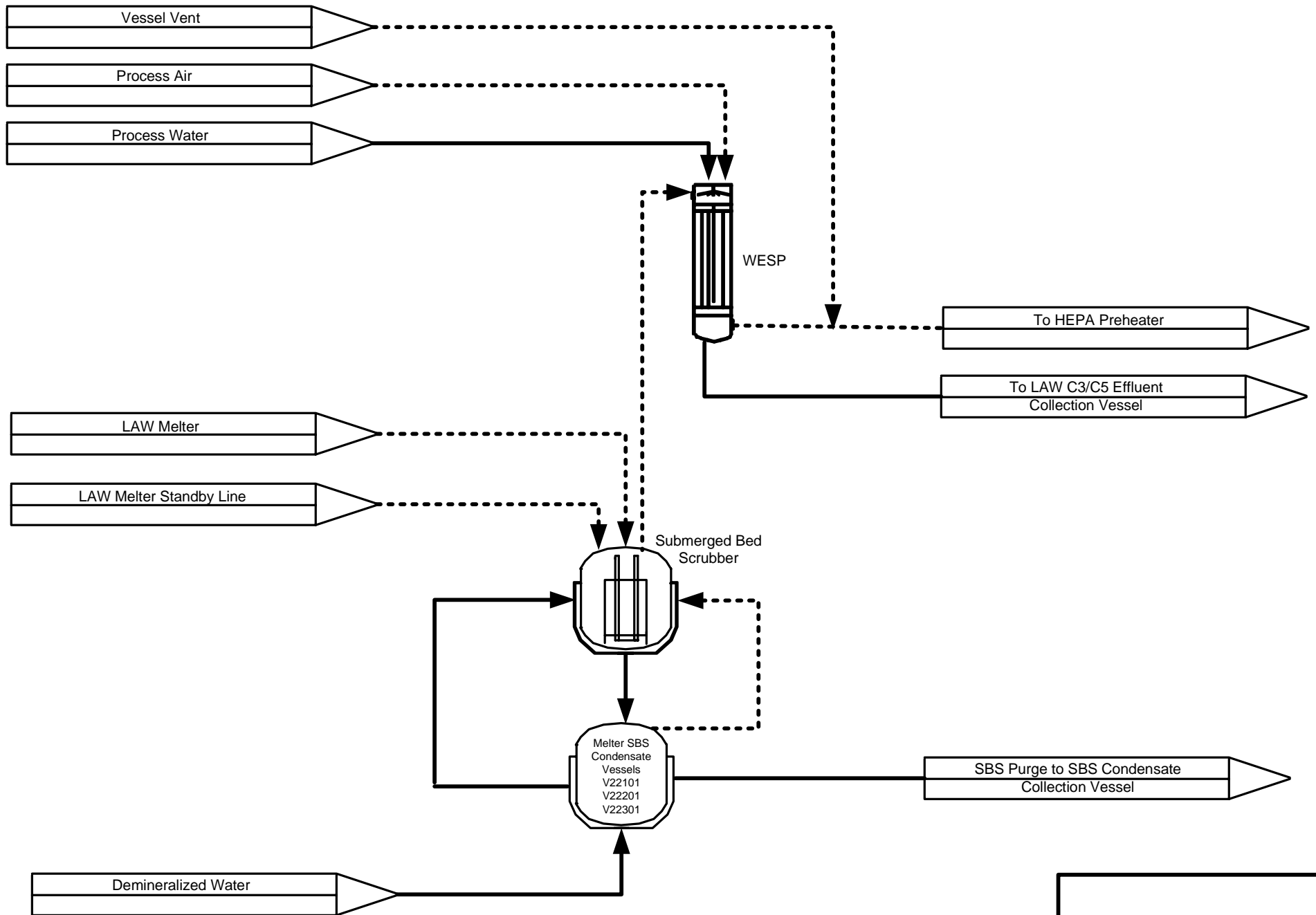


Legend

- Liquid
- - - Gas
- . - Slurry

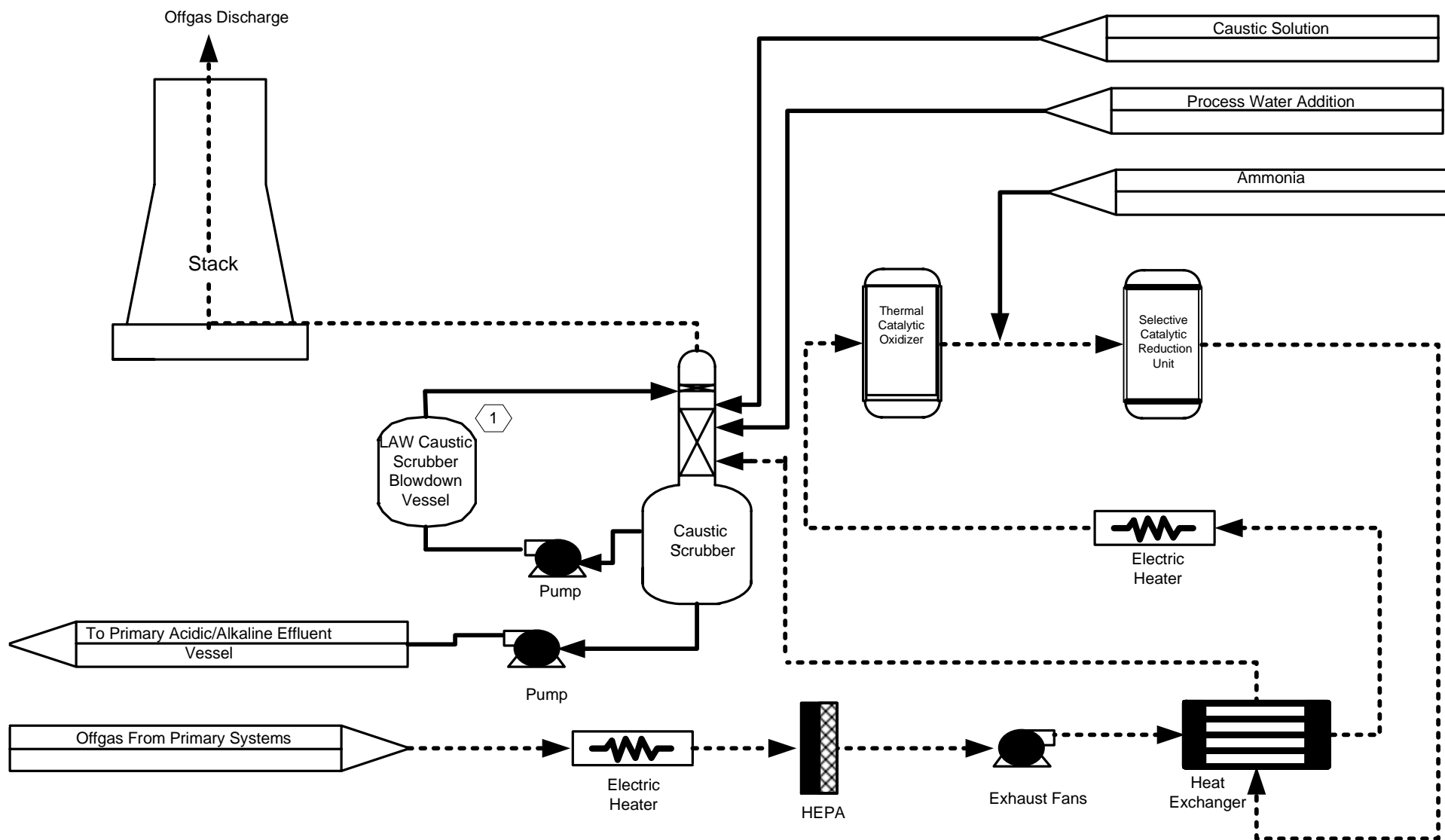
**LAW Melter Process System
(LMP)**

Figure 4A-21



LAW Primary Offgas Process System (LOP)

Figure 4A-22

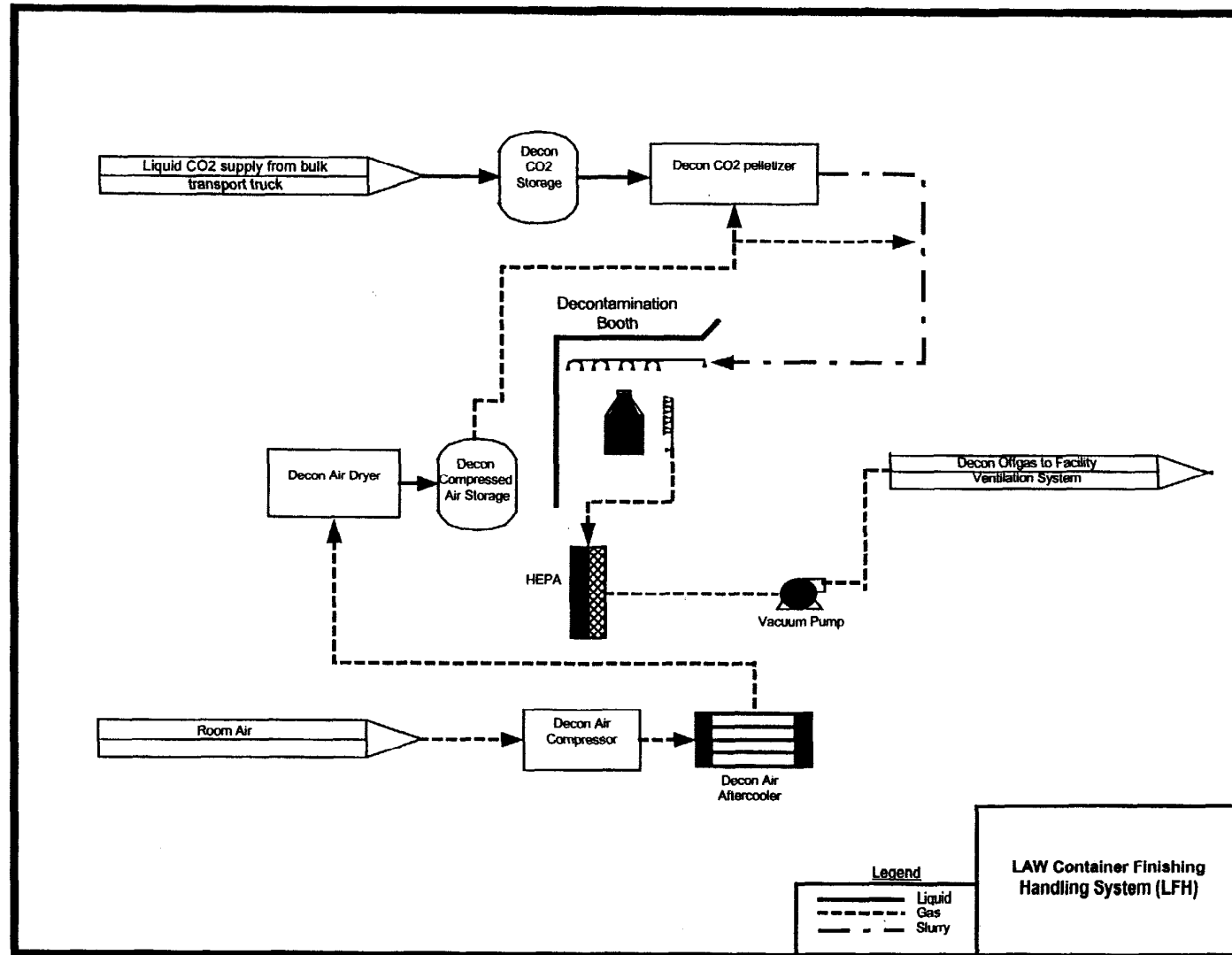


1. V22001

**LAW Secondary Offgas/
Vessel Vent Process System
(LVP)**

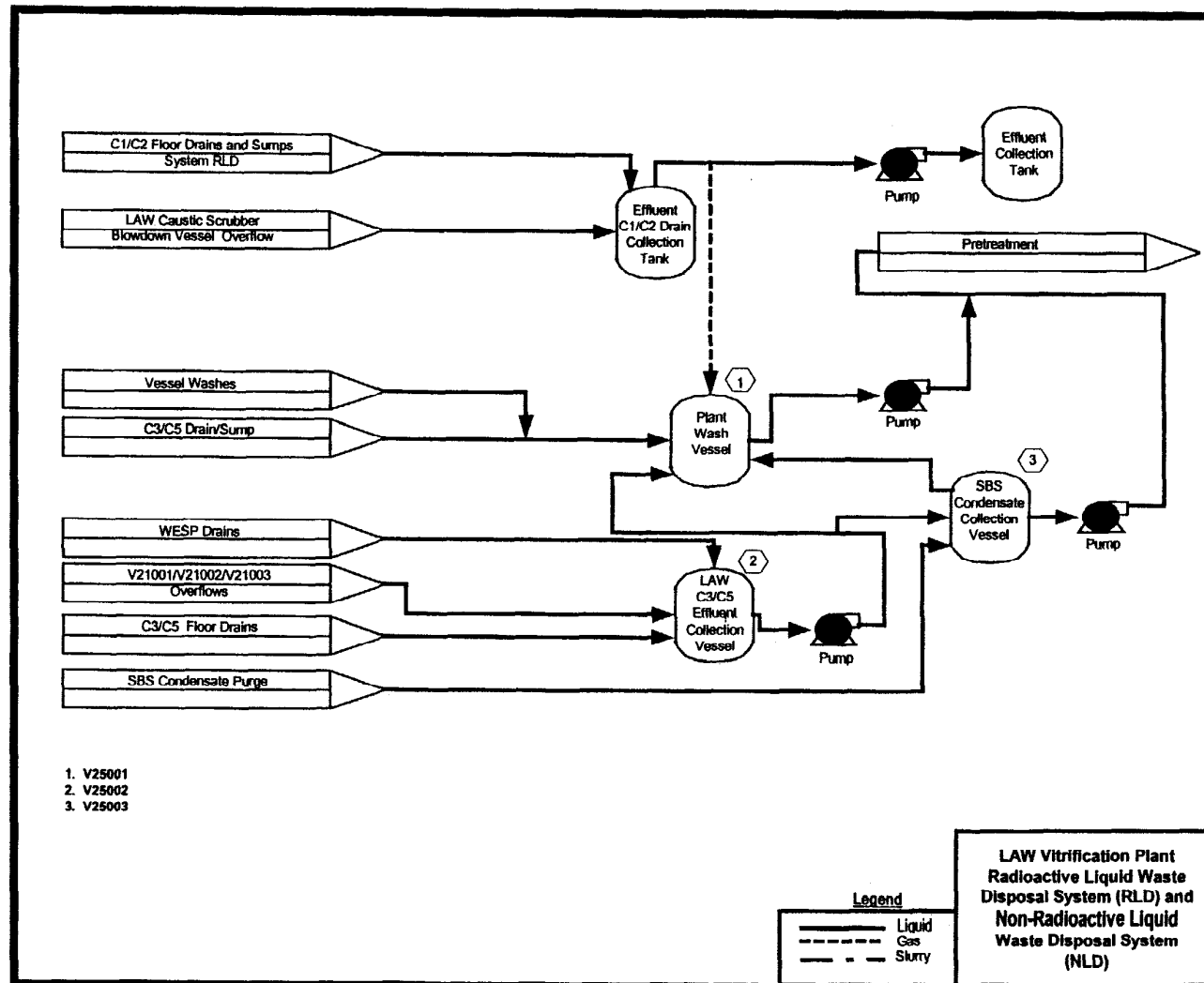
Figure 4A-23

Figure 4A-24 LAW Container Finishing Handling System (LFH)



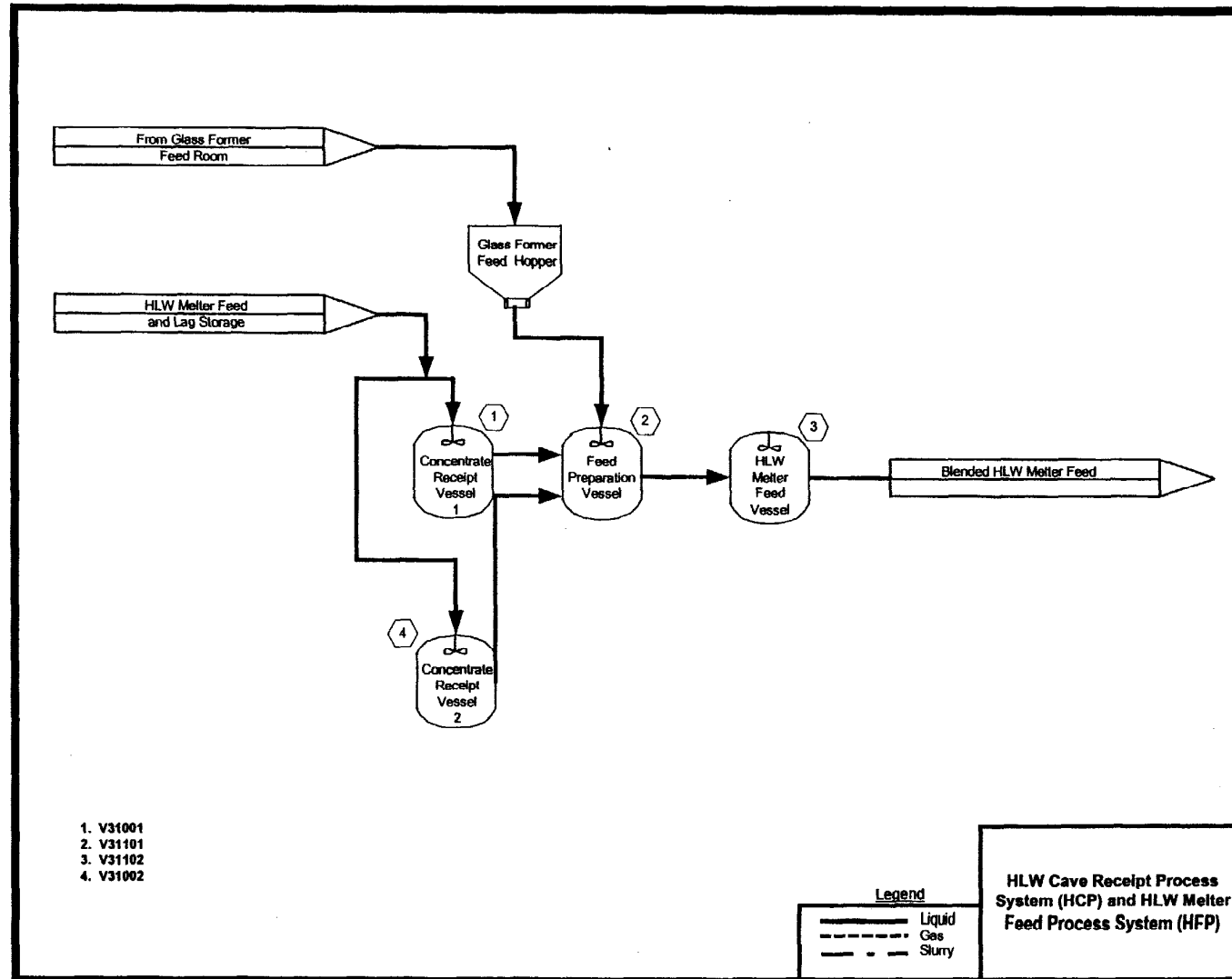
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Figure 4A-25 LAW Vitrification Plant Radioactive Liquid Waste Disposal System (RLD) and Non-Radioactive Liquid Waste Disposal System (NLD)



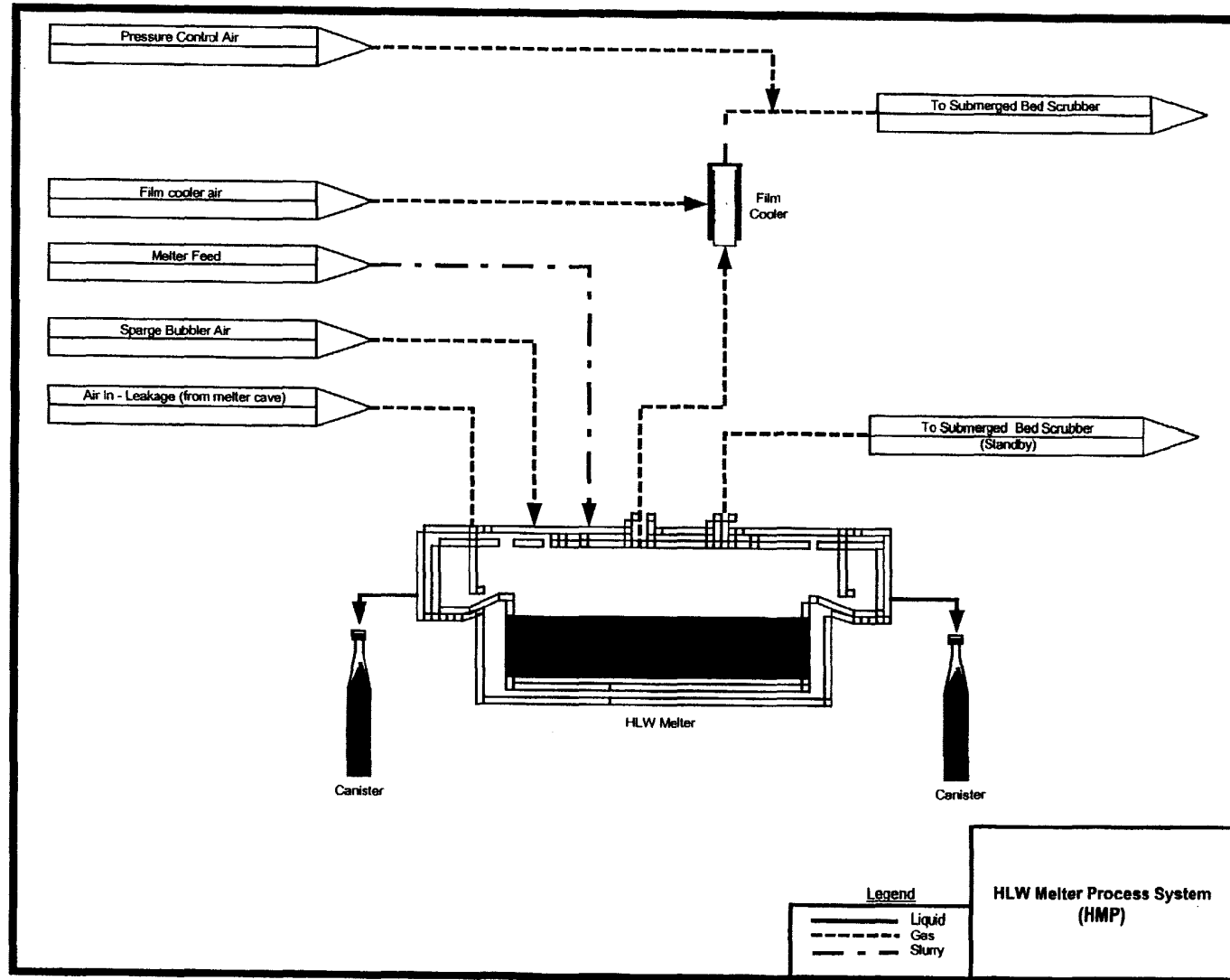
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Figure 4A-26 HLW Cave Receipt Process System (HCP) and HLW Melter Feed Process System (HFP)

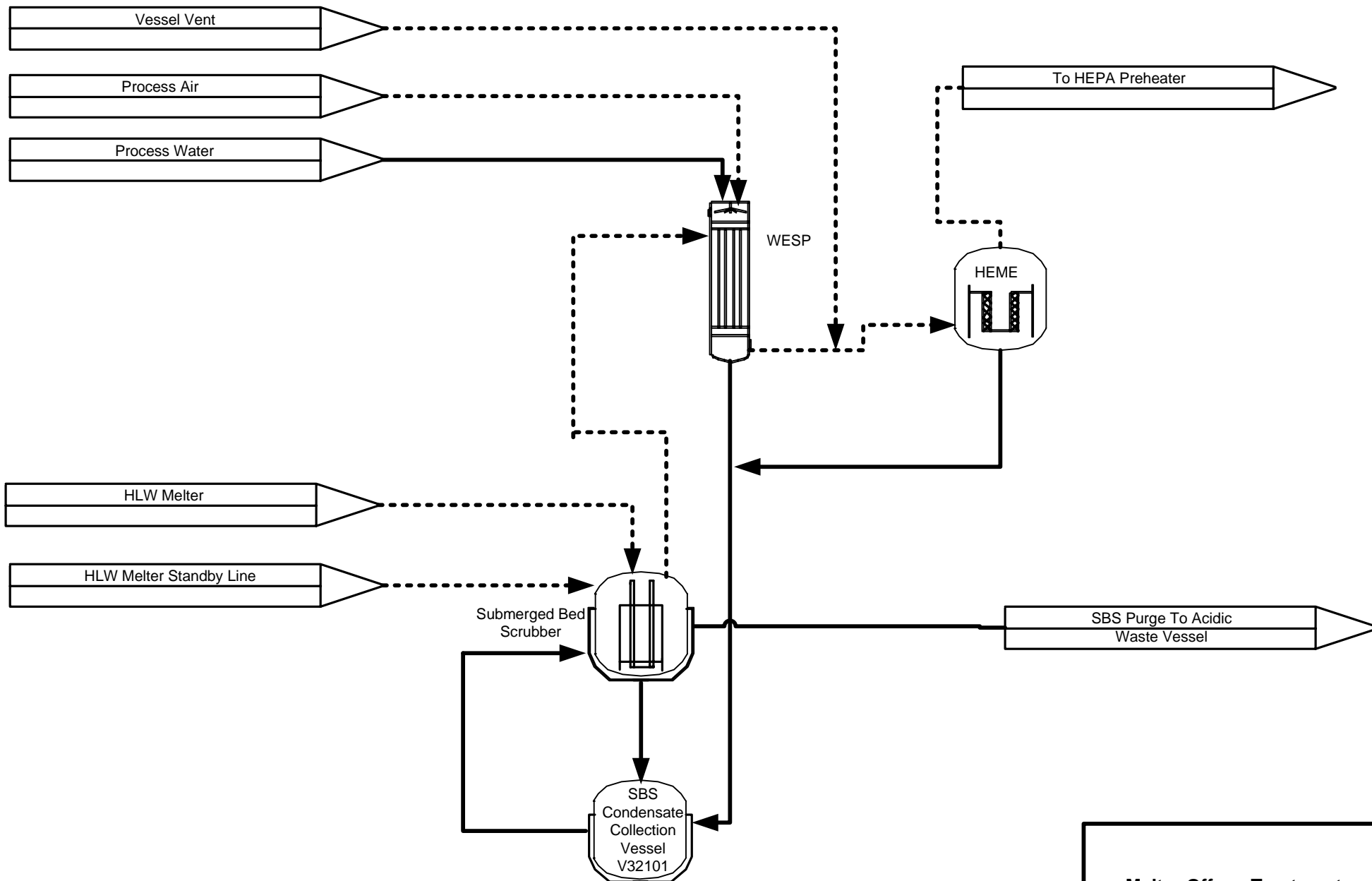


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Figure 4A-27 HLW Melter Process System (HMP)



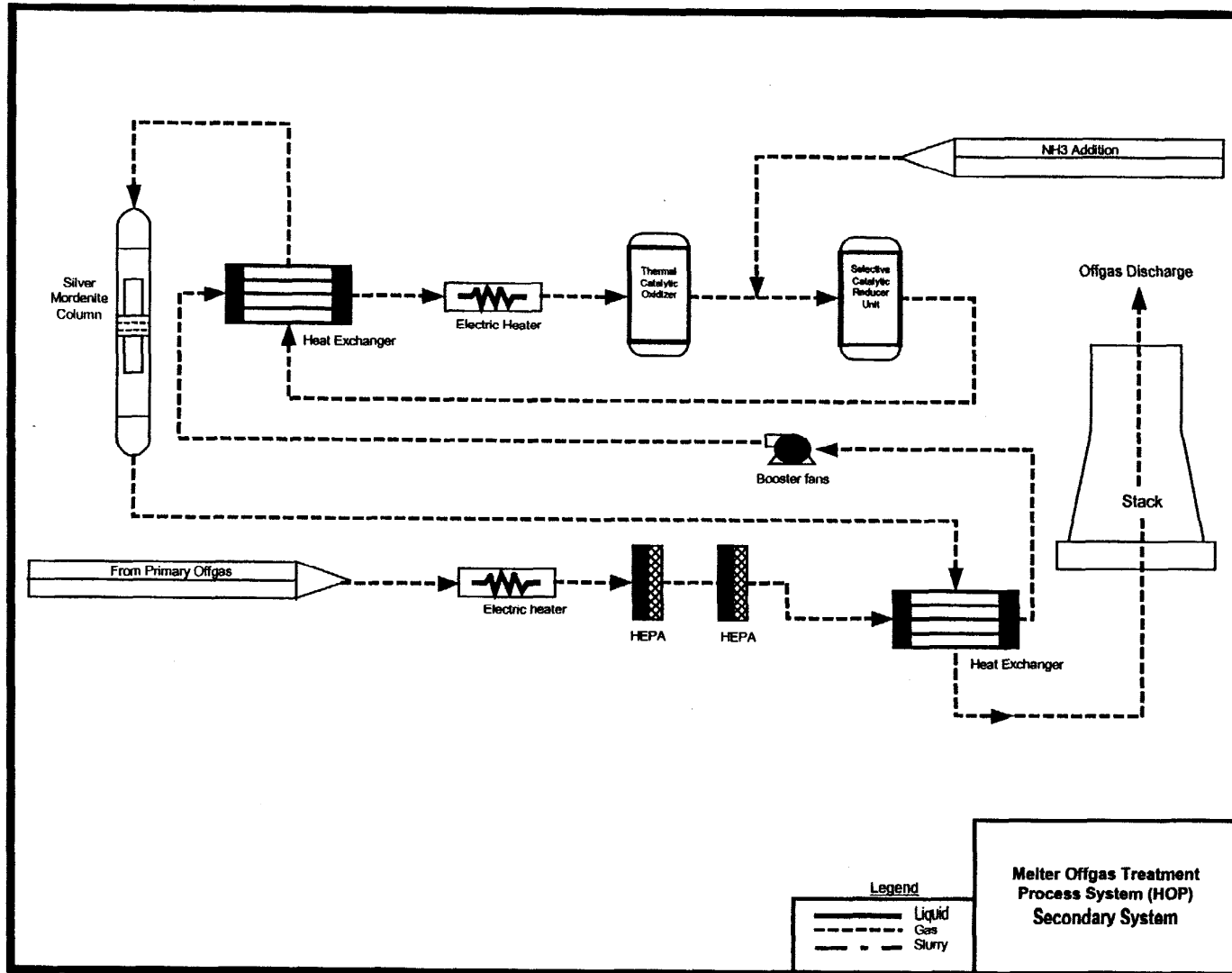
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**Melter Offgas Treatment
Process System (HOP)
Primary System**

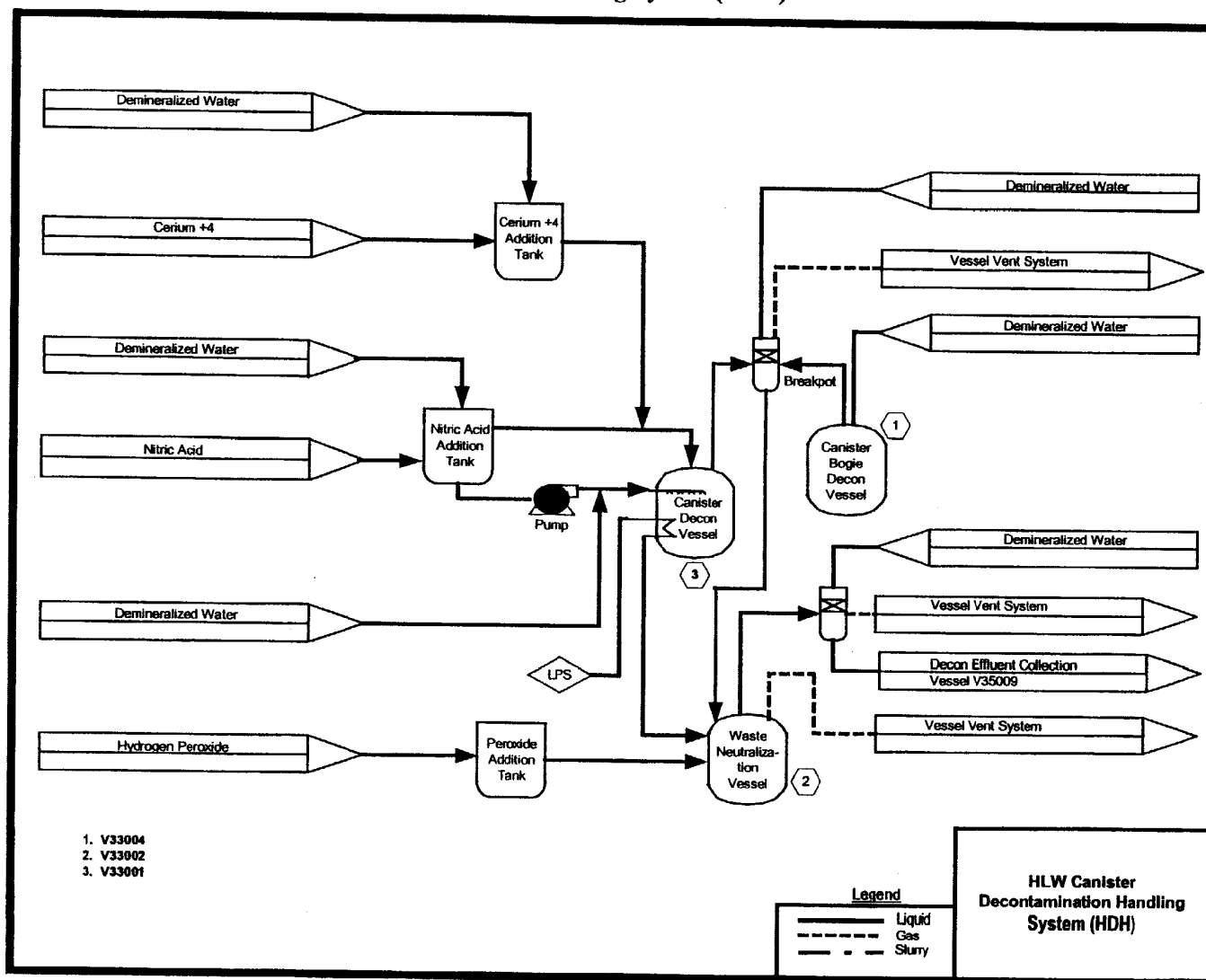
Figure 4A-28

Figure 4A-29 Melter Offgas Treatment Process System (HOP) Secondary System



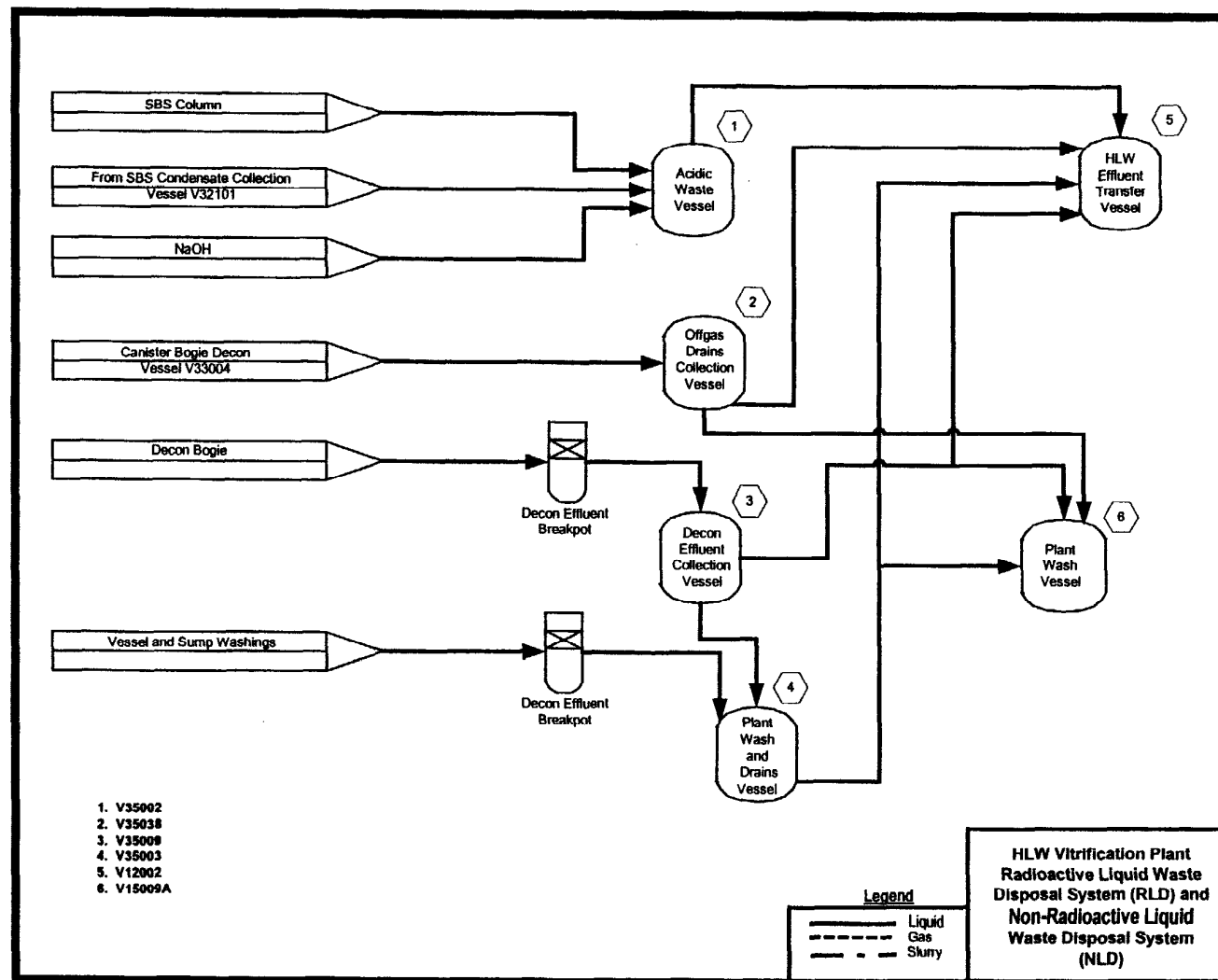
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Figure 4A-30 HLW Canister Decontamination Handling System (HDH)



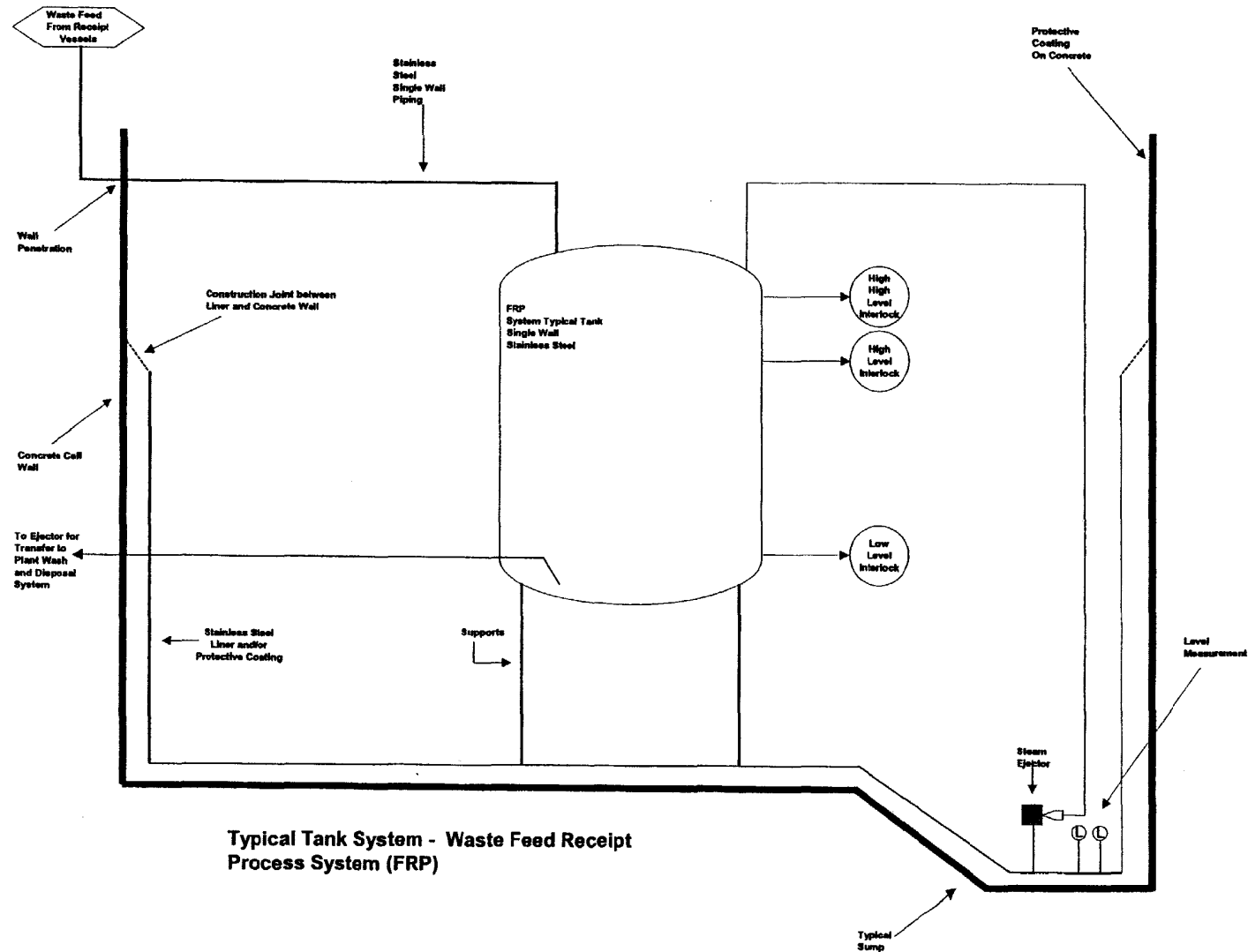
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Figure 4A-31 HLW Vitrification Plant Radioactive Liquid Waste Disposal System (RLD) and Non-Radioactive Liquid Waste Disposal System (NLD)



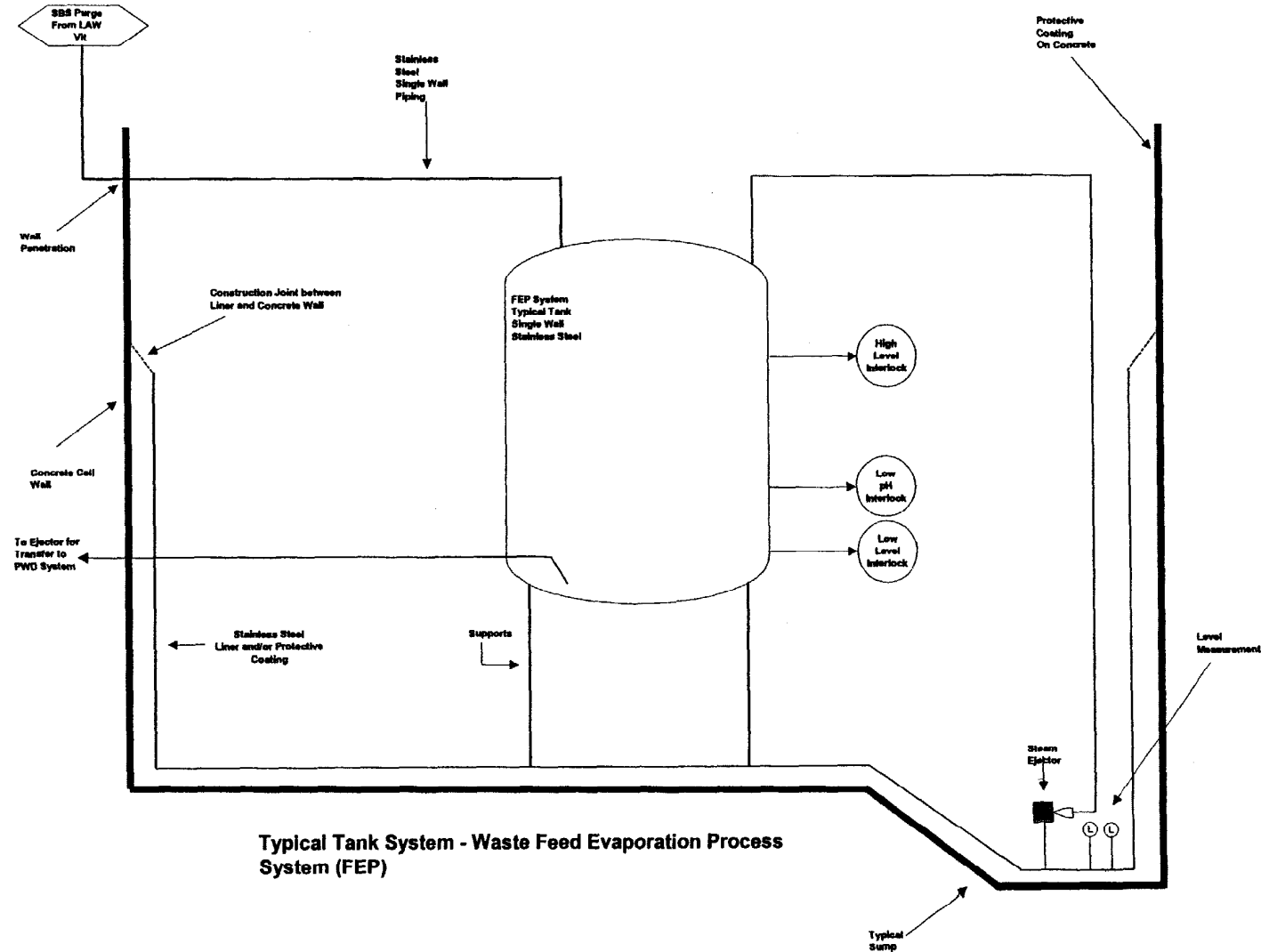
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Figure 4A-32 Typical Tank System – Waste Feed Receipt Process System (FRP)



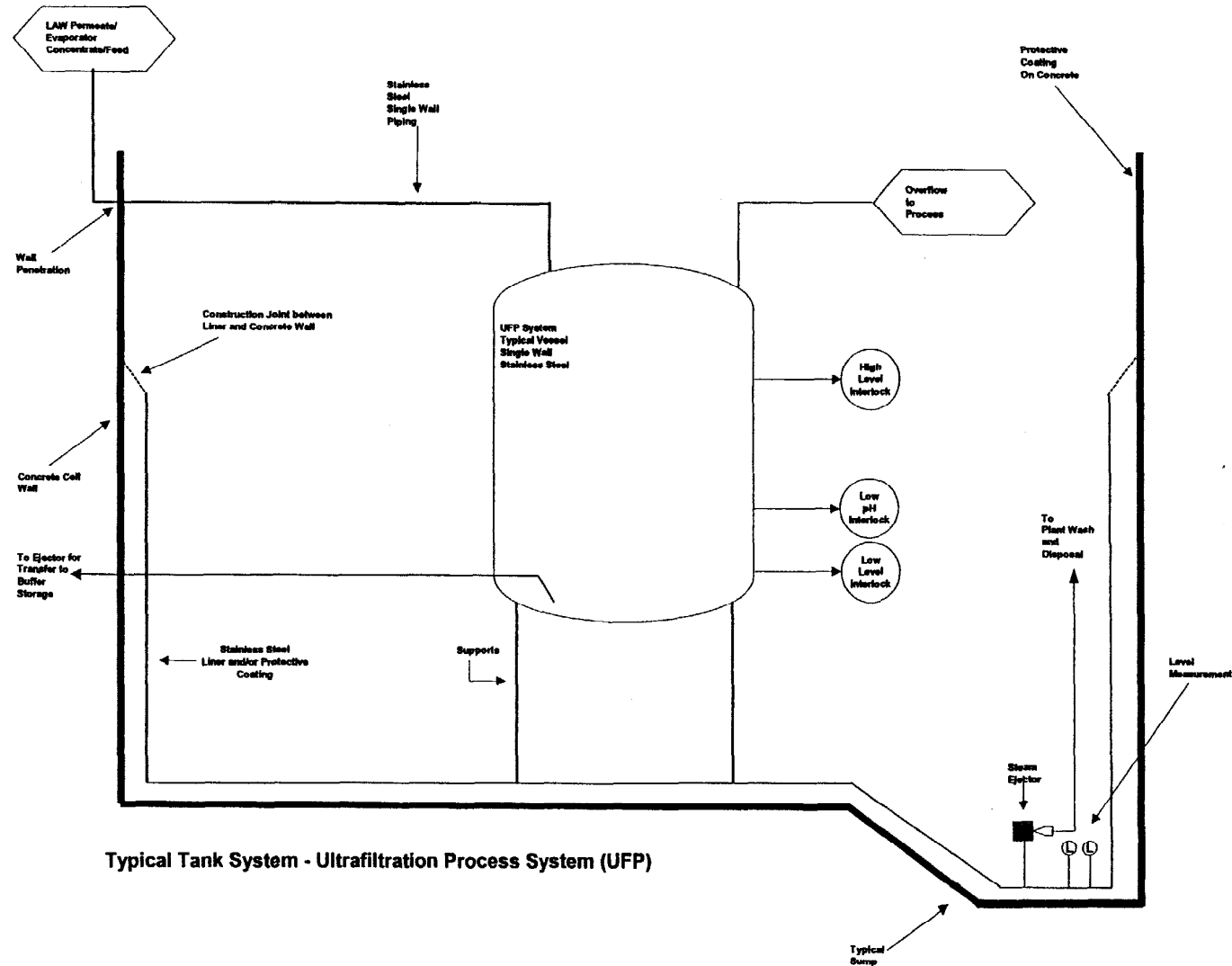
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Figure 4A-33 Typical Tank System – Waste Feed Evaporation Process System (FEP)



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Figure 4A-34 Typical Tank System – Ultrafiltration Process System (UFP)



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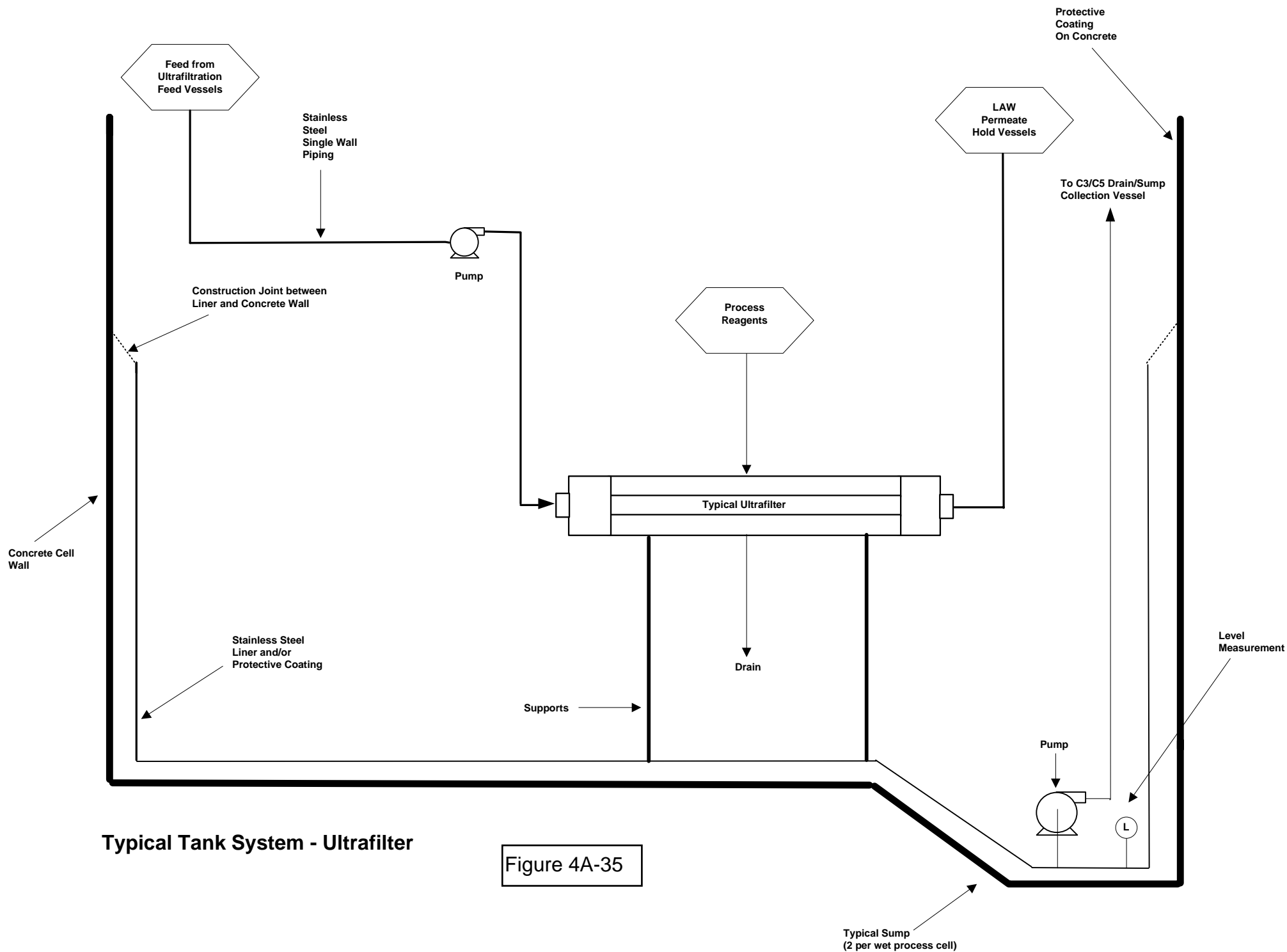
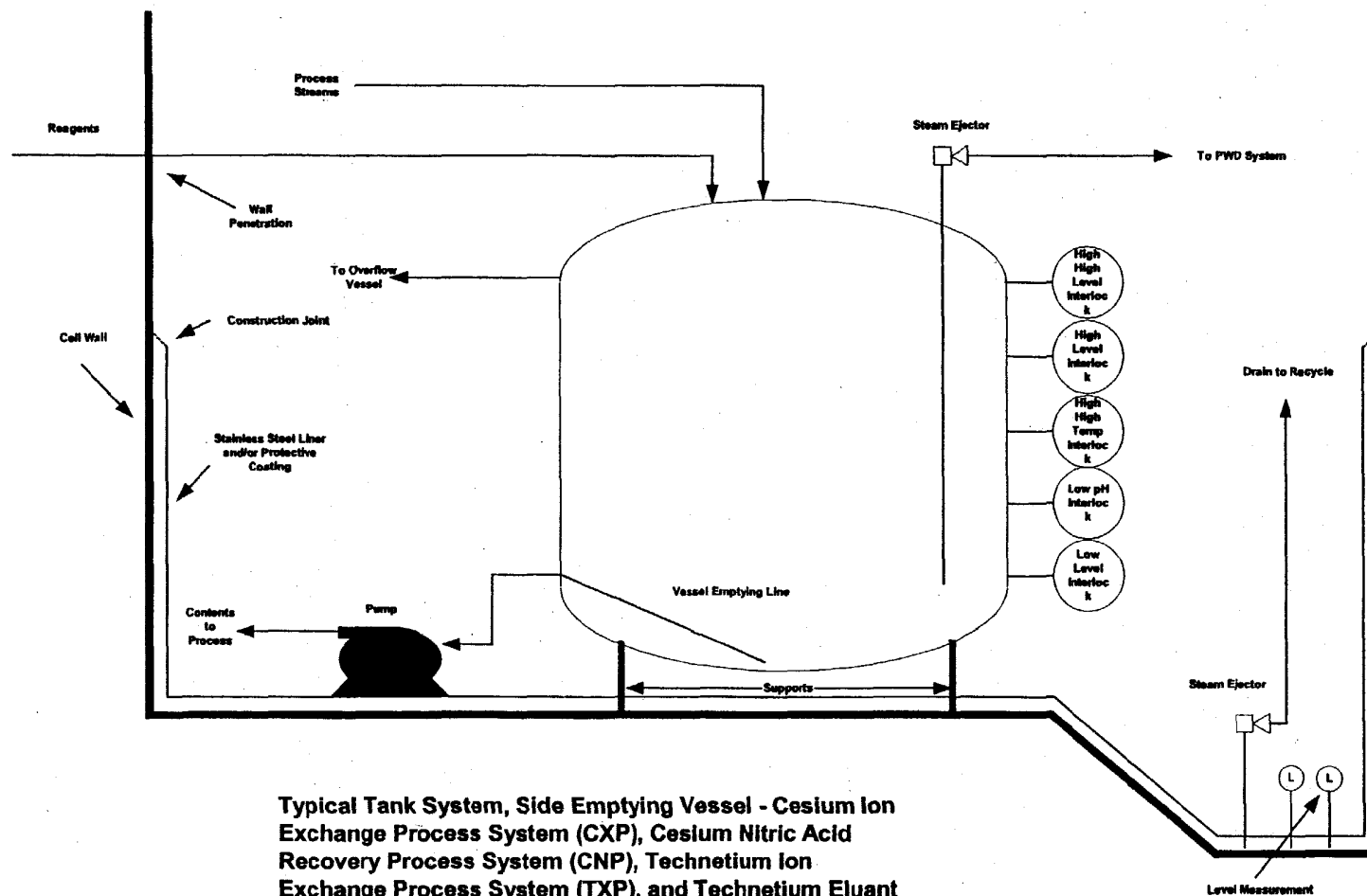


Figure 4A-35

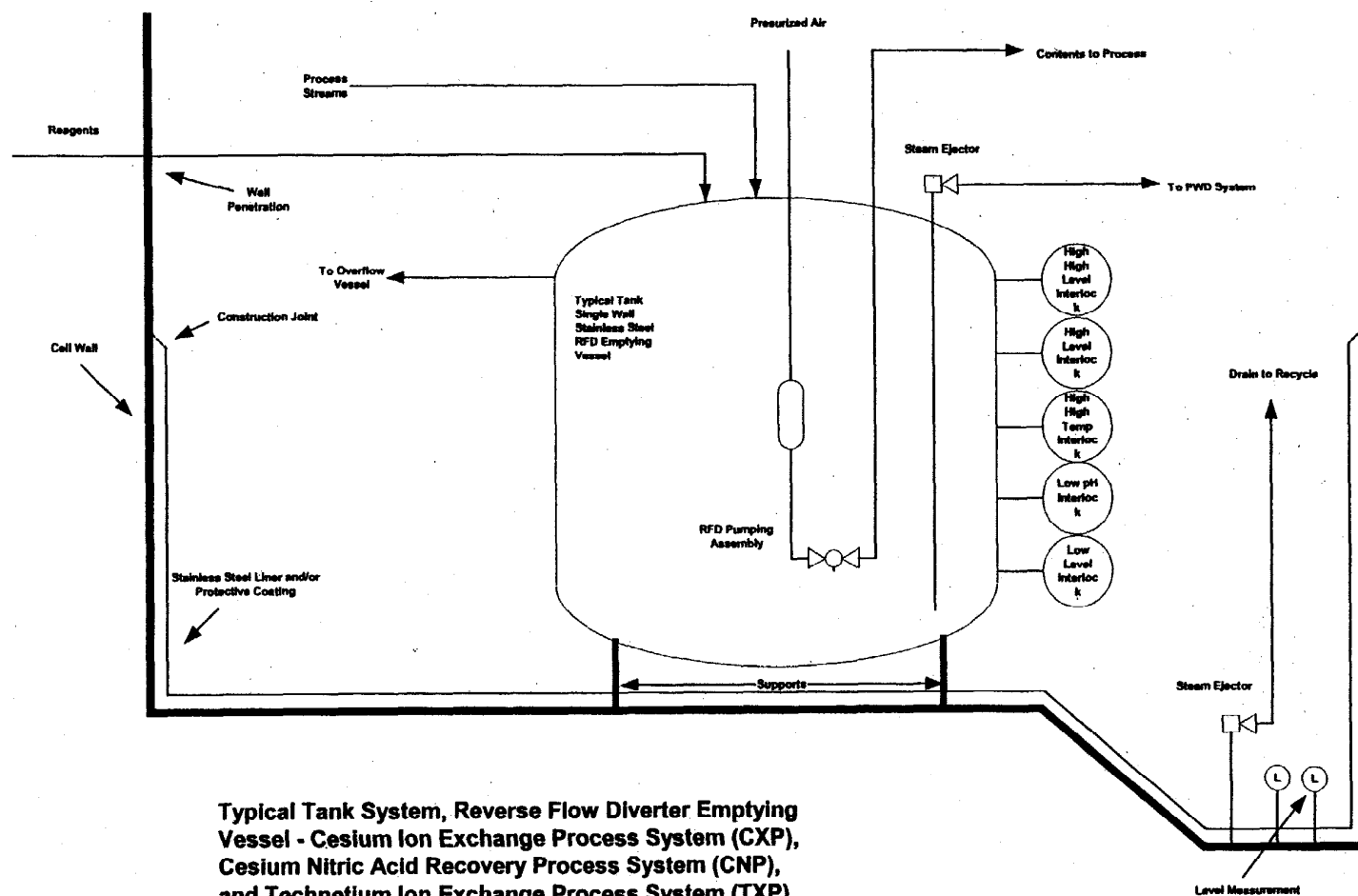
Figure 4A-36 Typical Tank System – Side Emptying Vessel – Cesium Ion Exchange Process System (CXP), Cesium Nitric Acid Recovery Process System (CNP), Technetium Ion Exchange Process System (TXP), and Technetium Eluant Recovery Process System (TEP)



Typical Tank System, Side Emptying Vessel - Cesium Ion Exchange Process System (CXP), Cesium Nitric Acid Recovery Process System (CNP), Technetium Ion Exchange Process System (TXP), and Technetium Eluant Recovery Process System (TEP)

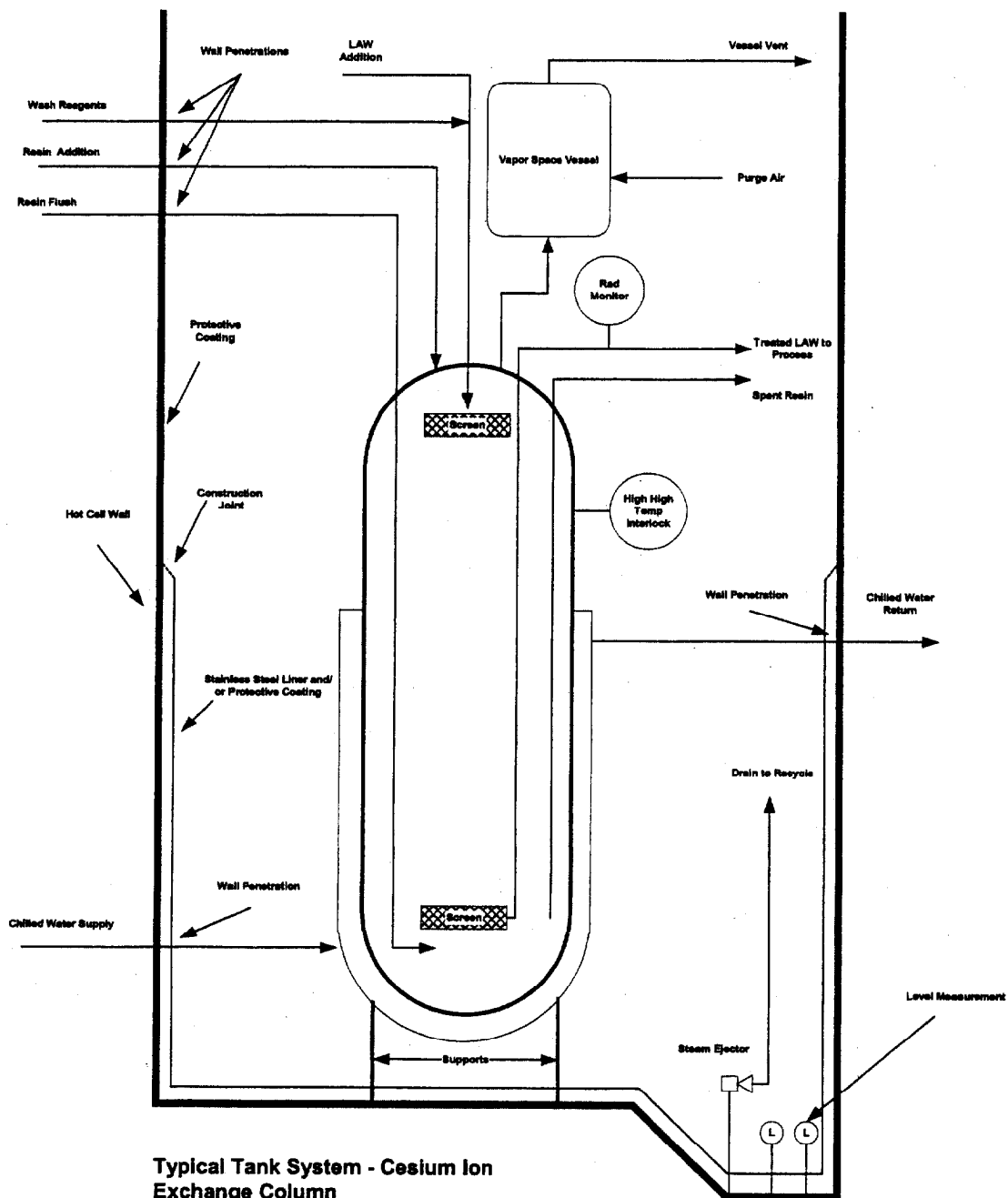
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Figure 4A-37 Typical Tank System, Reverse Flow Diverter Emptying Vessel – Cesium Ion Exchange Process System (CXP), Cesium Nitric Acid Recovery Process System (CNP), and Technetium Ion Exchange Process System (TXP)



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Figure 4A-38 Typical Tank System – Cesium Ion Exchange Column



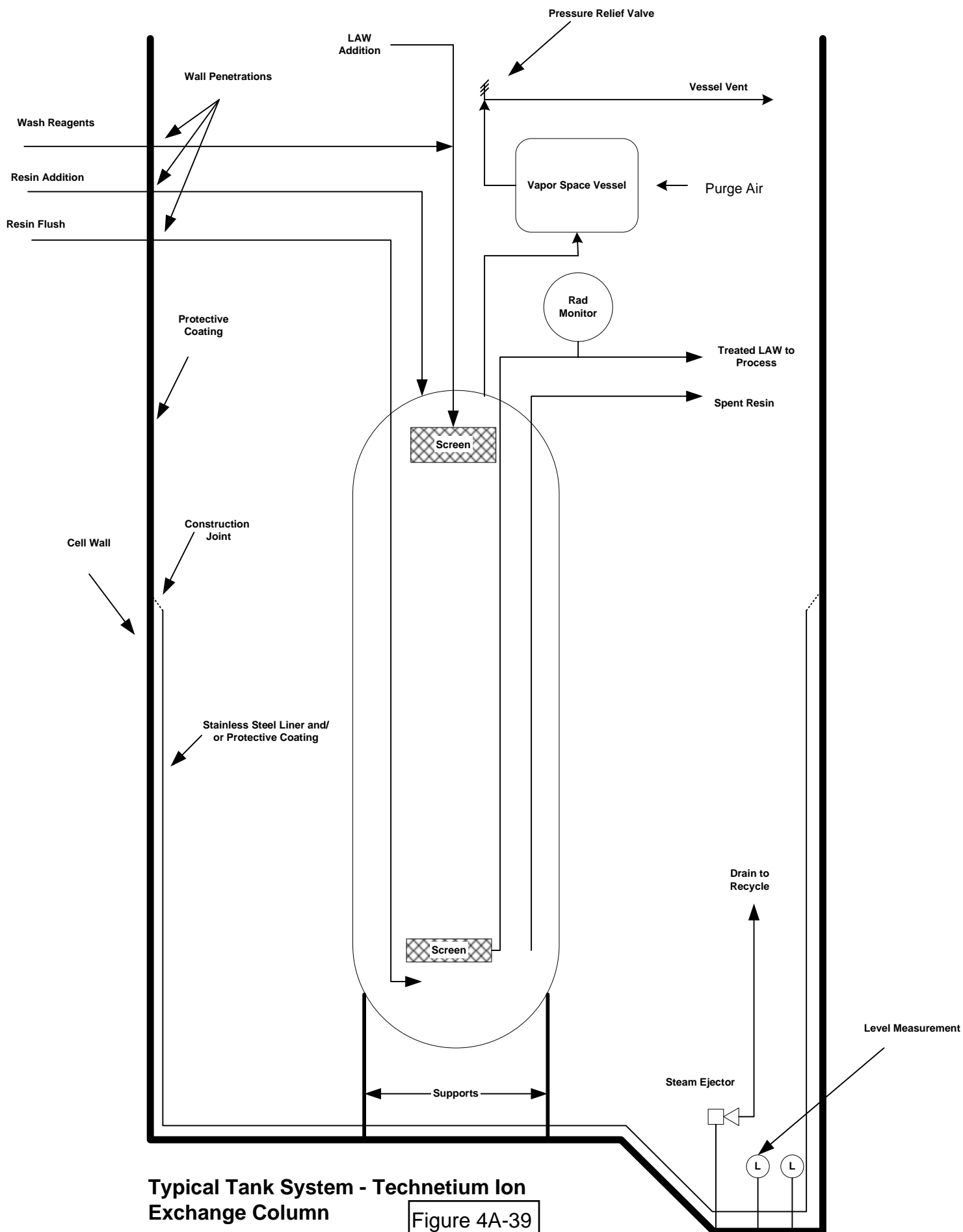
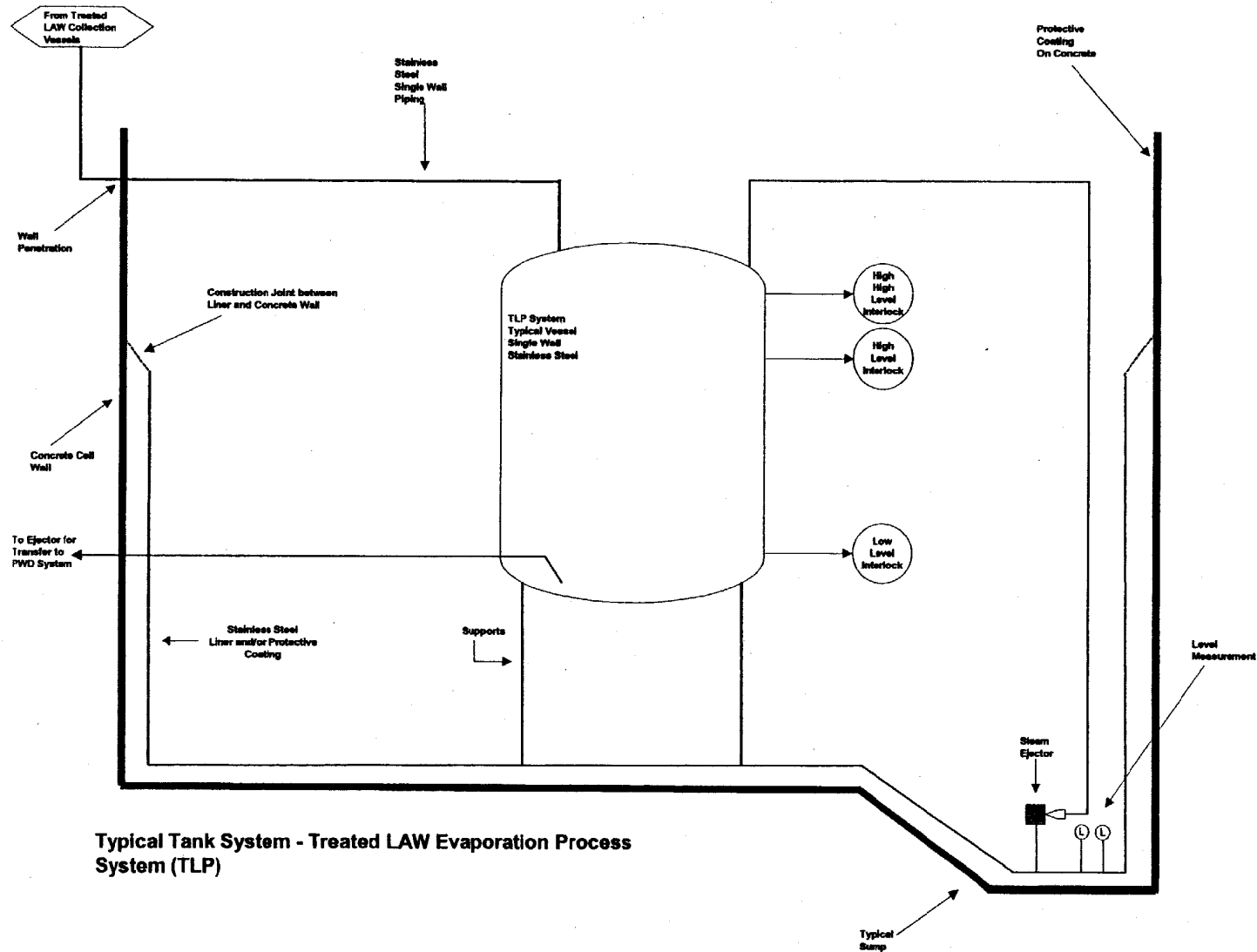
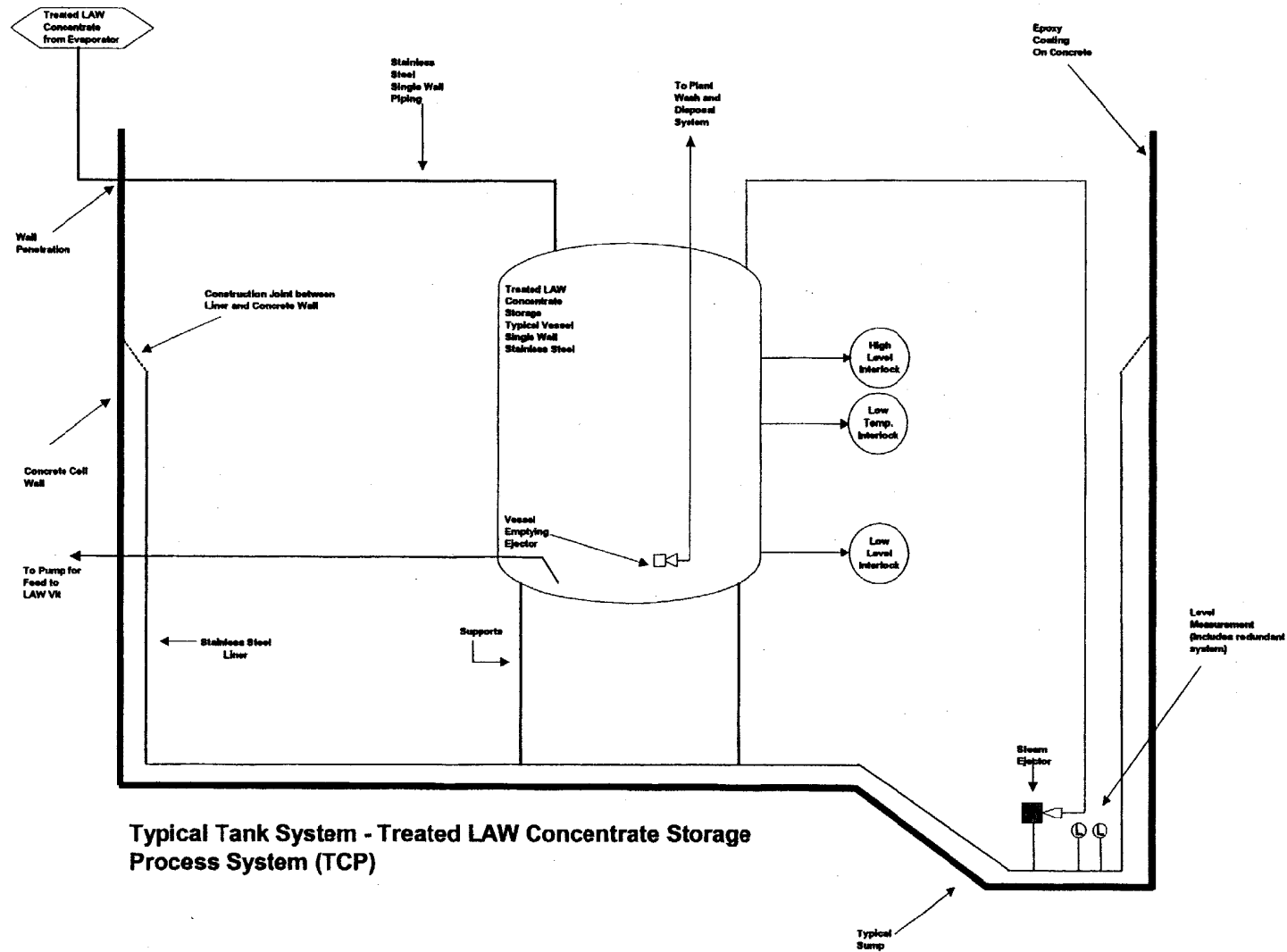


Figure 4A-40 Typical Tank System – Treated LAW Evaporation Process System (TLP)



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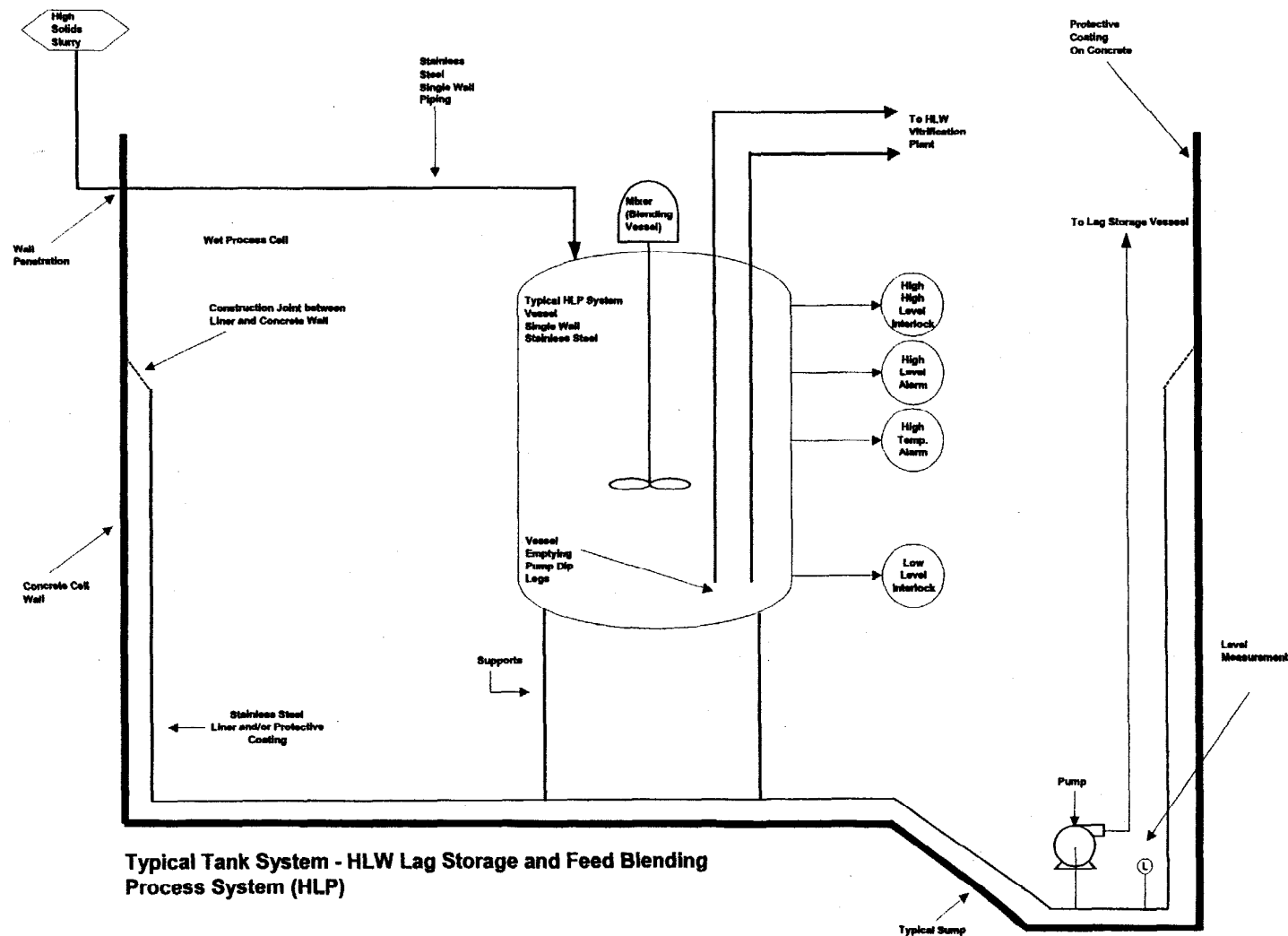
Figure 4A-41 Typical Tank System – Treated LAW Concentrate Storage Process System (TCP)



Typical Tank System - Treated LAW Concentrate Storage Process System (TCP)

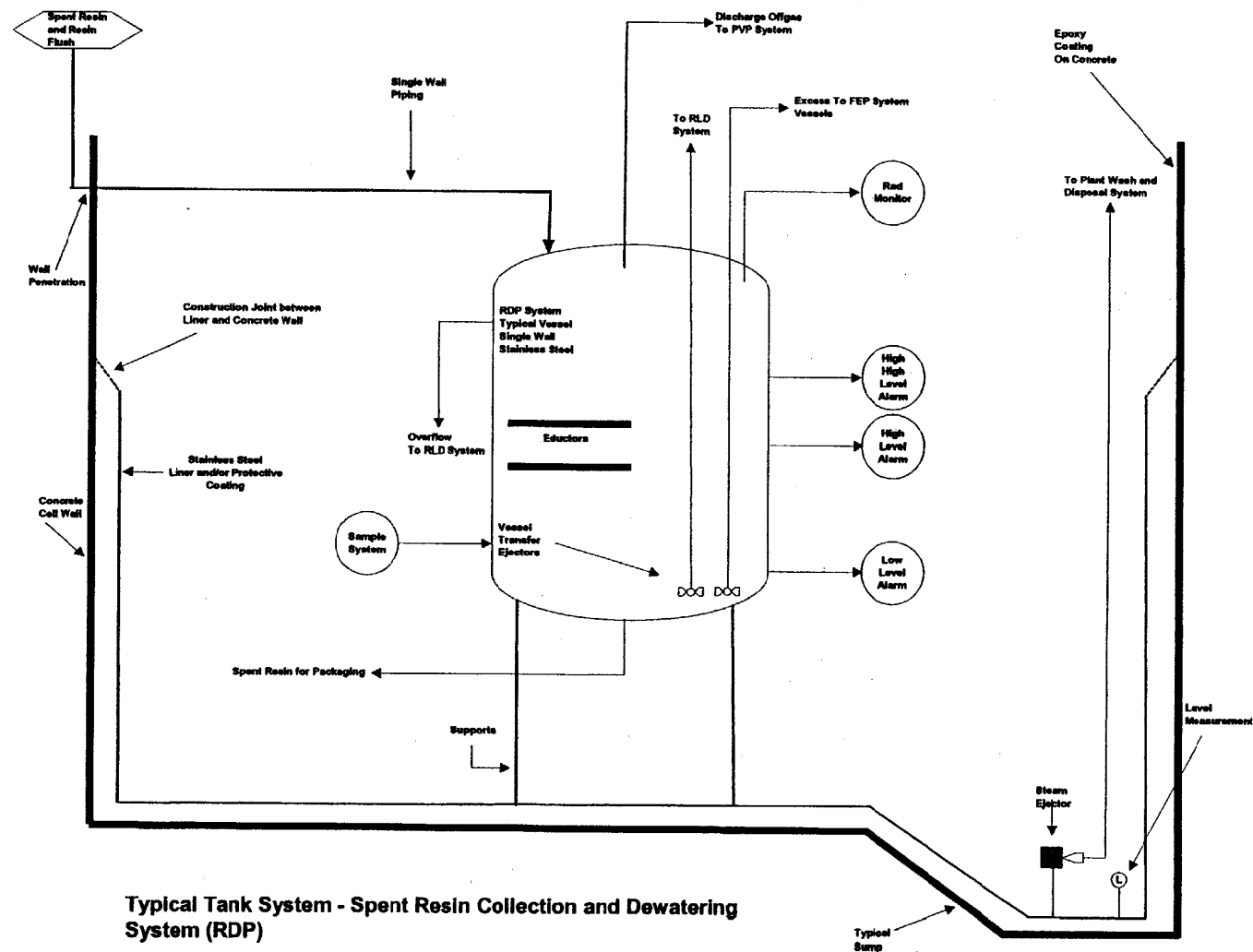
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Figure 4A-42 Typical Tank System – HLW Lag Storage and Feed Blending Process System (HLP)



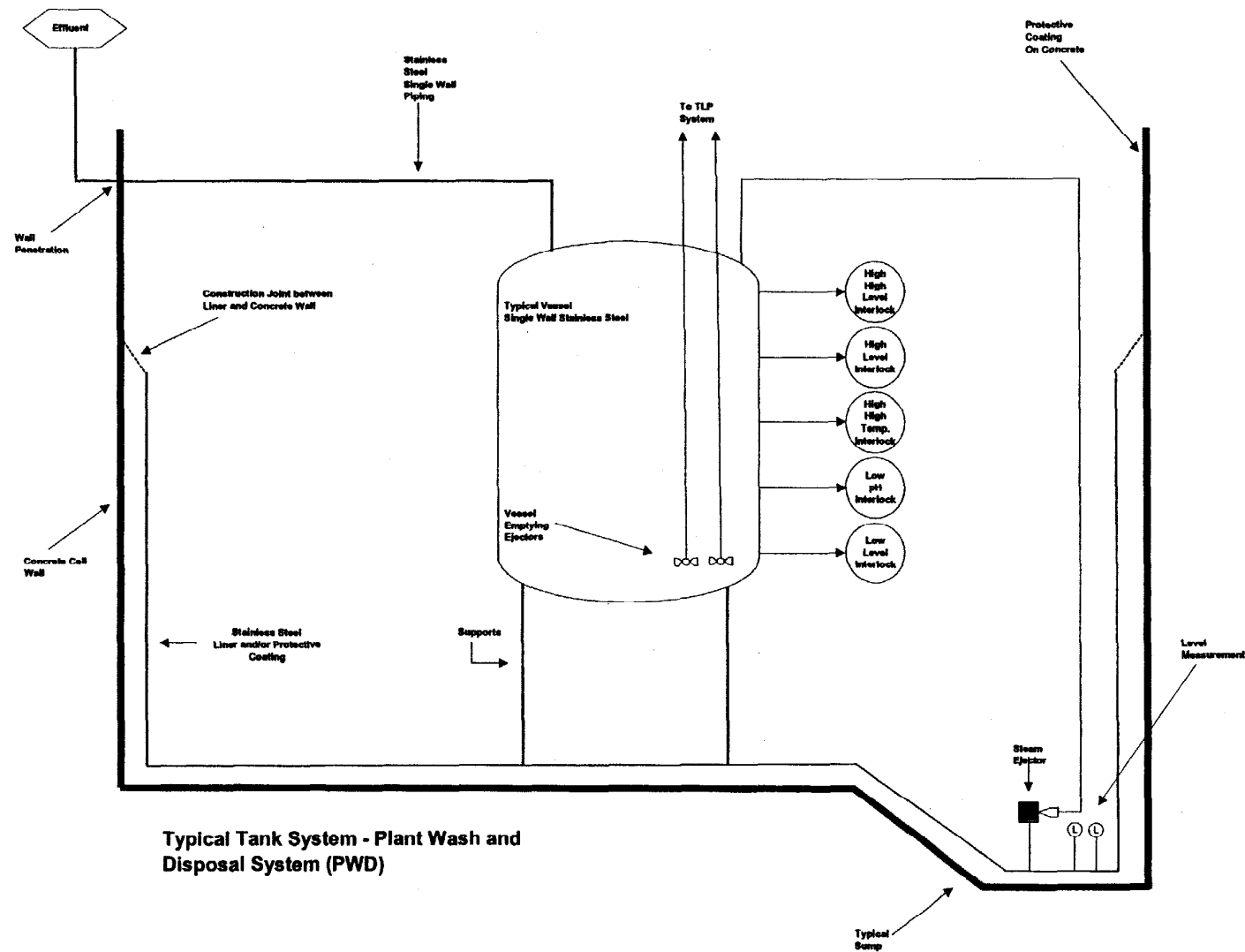
DOE/RL-2001-64

Figure 4A-43 Typical Tank System – Spent Resin Collection and Dewatering System (RDP)



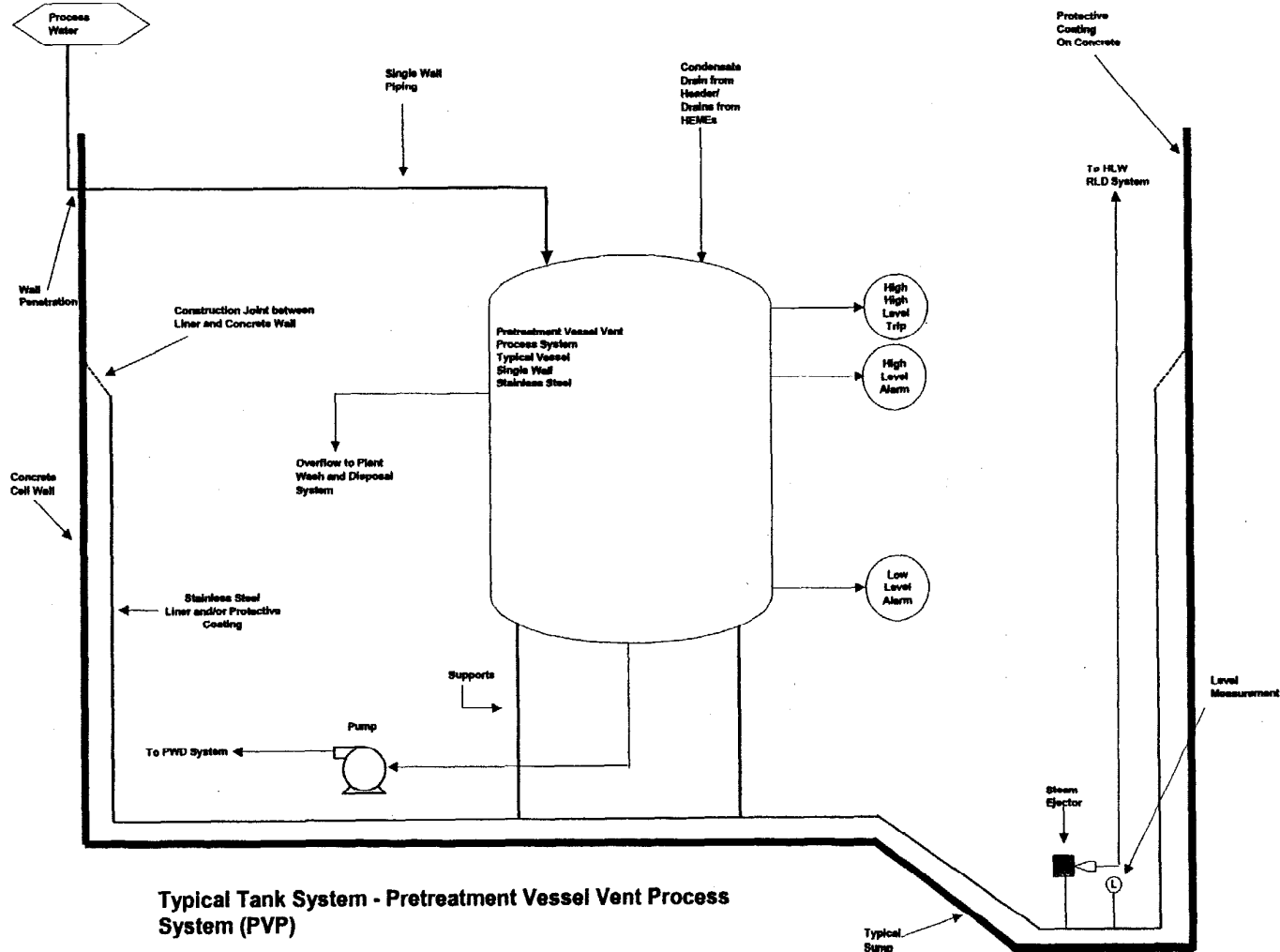
DOE/RL-2001-64

Figure 4A-44 Typical Tank System – Plant Wash and Disposal System (PWD)



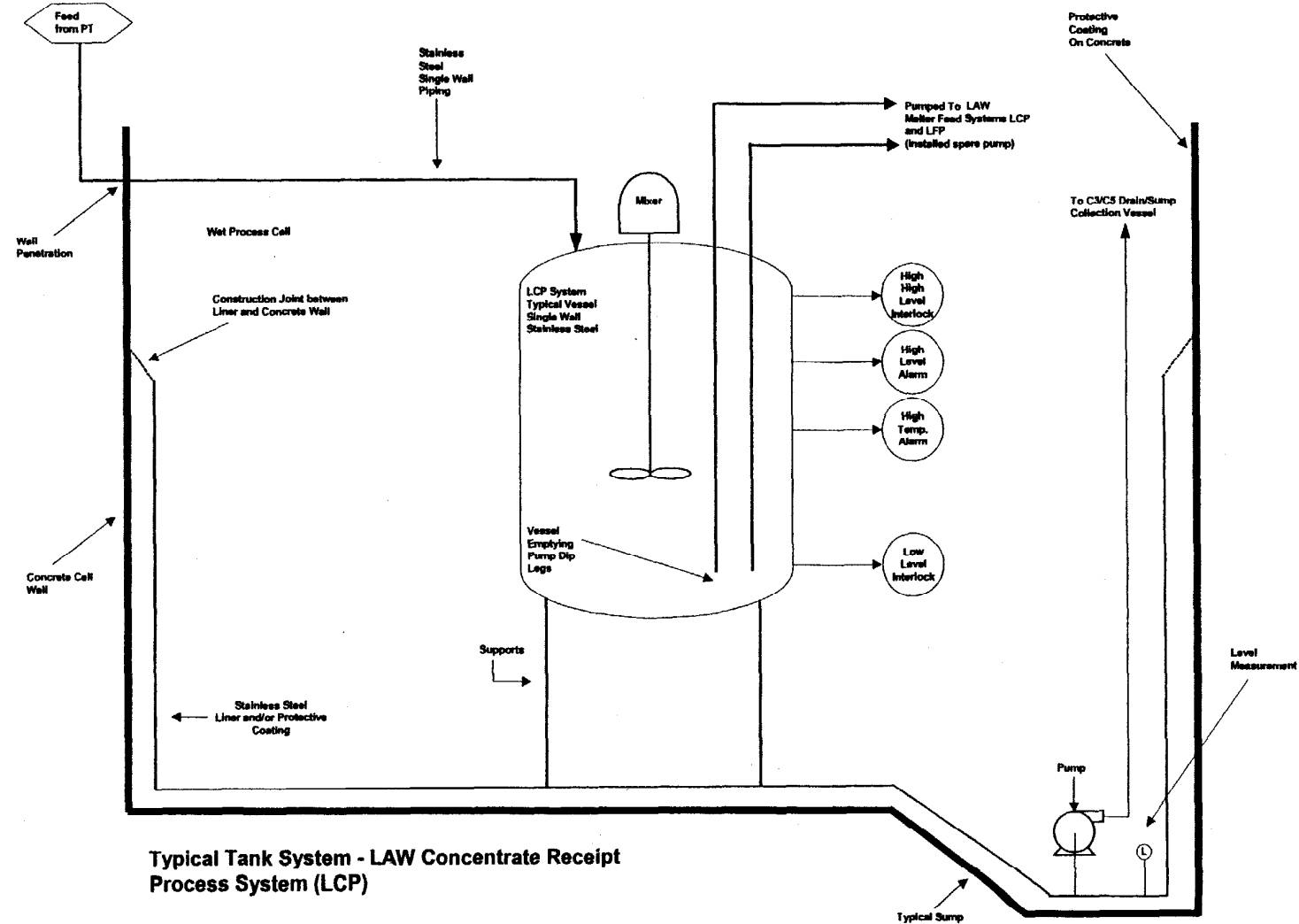
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Figure 4A-45 Typical Tank System – Pretreatment Vessel Vent Process System (PVP)



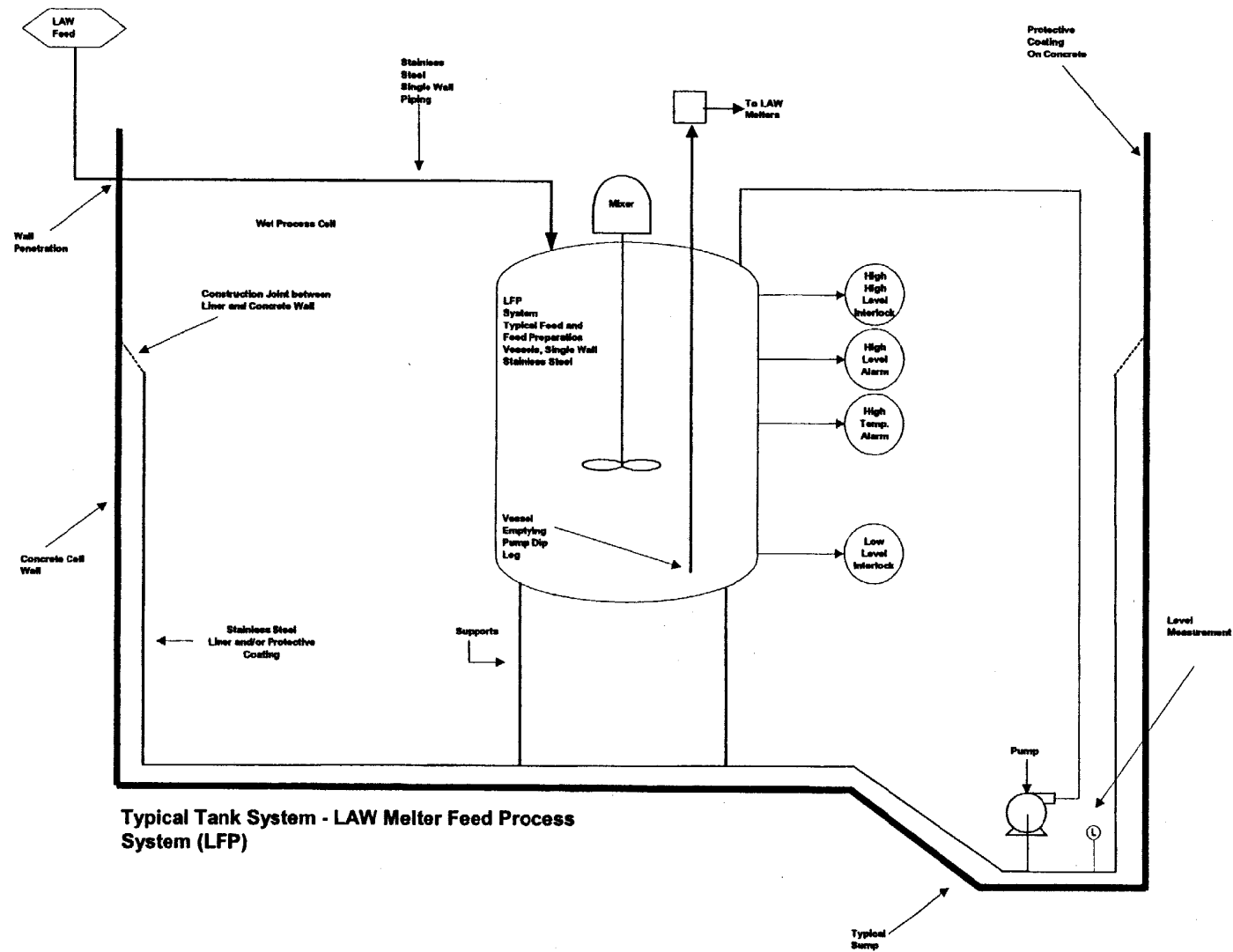
DOE/RL-2001-64

Figure 4A-46 Typical Tank System – LAW Concentrate Receipt Process System (LCP)



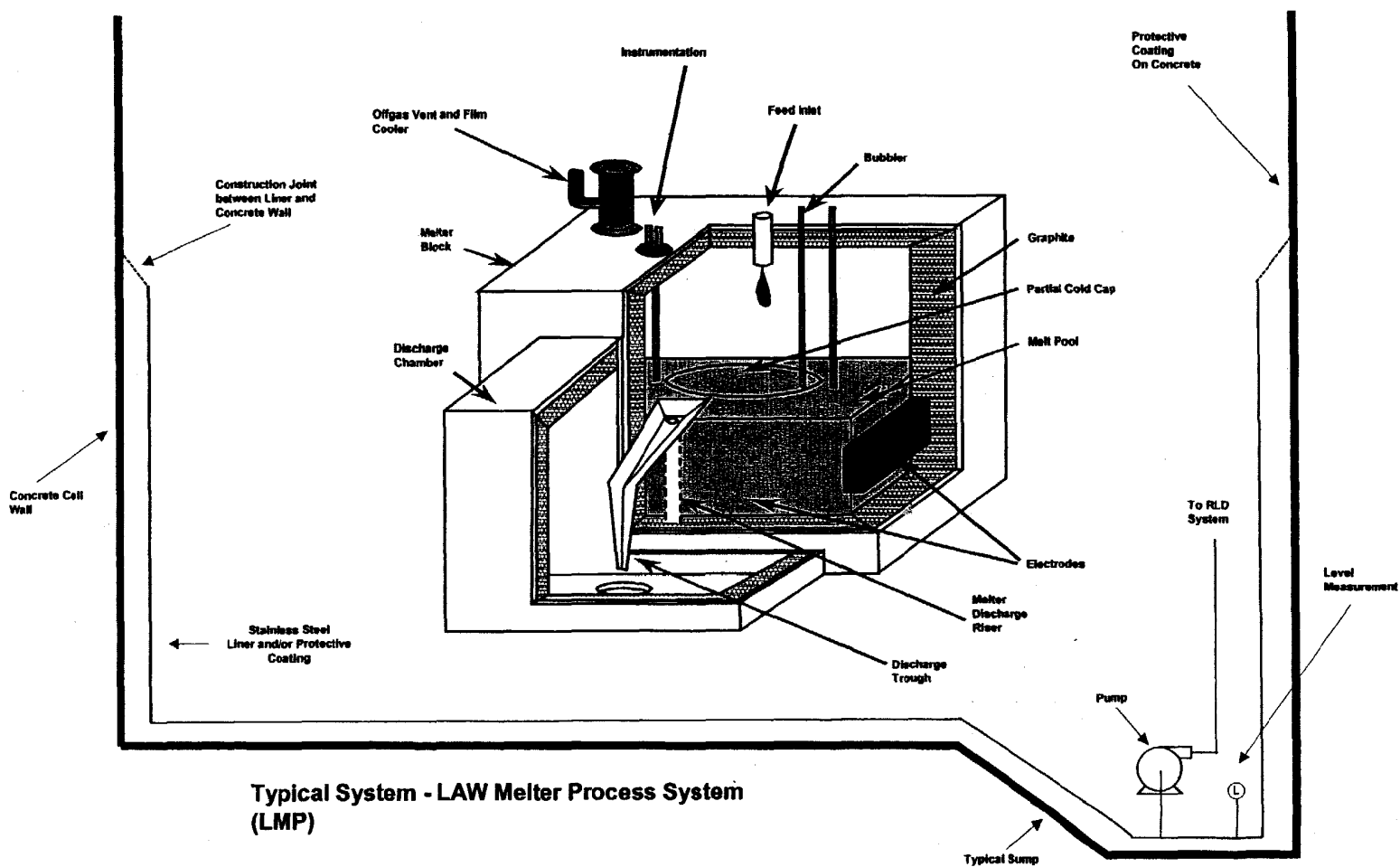
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Figure 4A-47 Typical Tank System – LAW Melter Feed Process System (LFP)

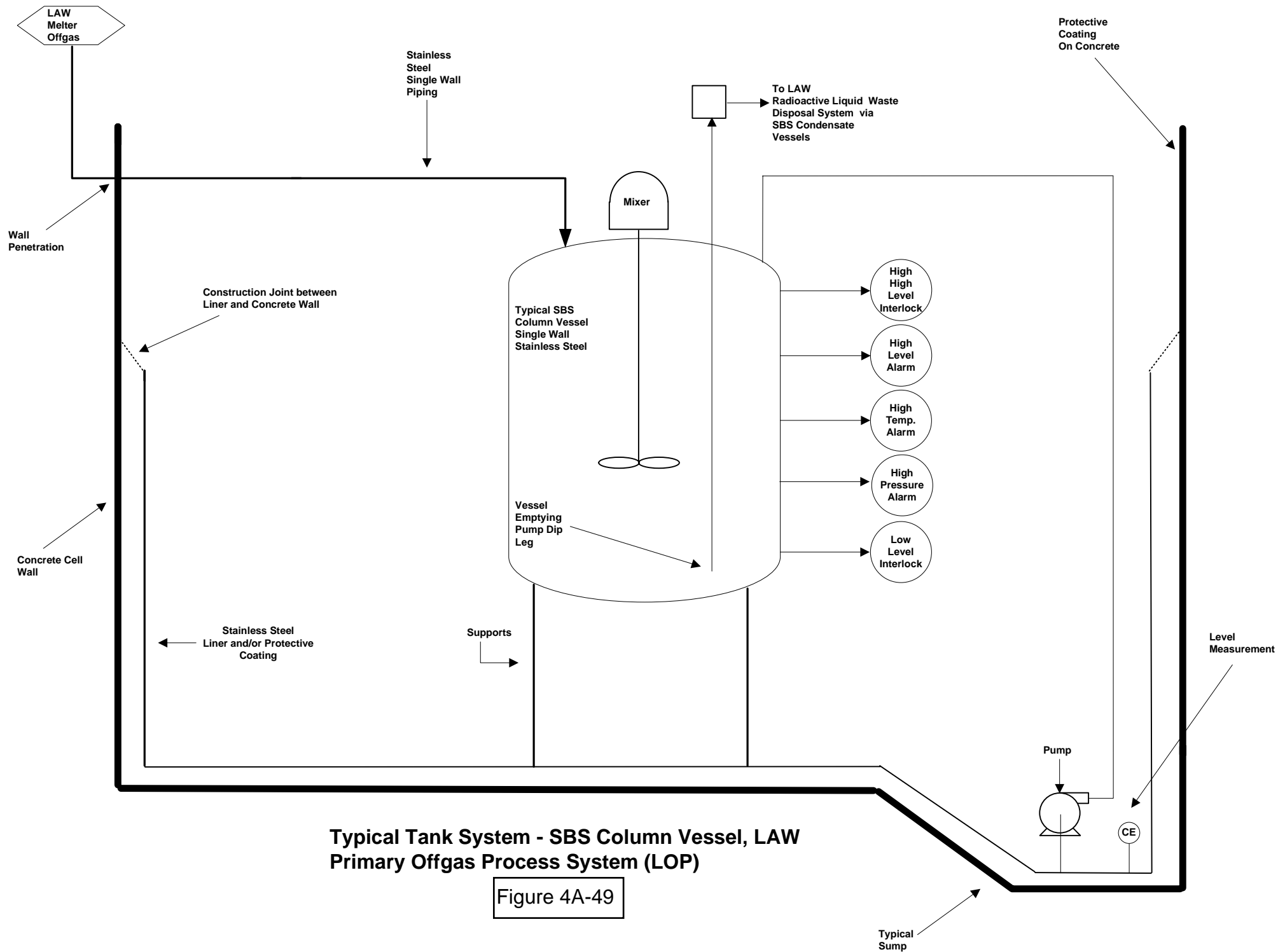


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Figure 4A-48 Typical System – LAW Melter Process System (LMP)



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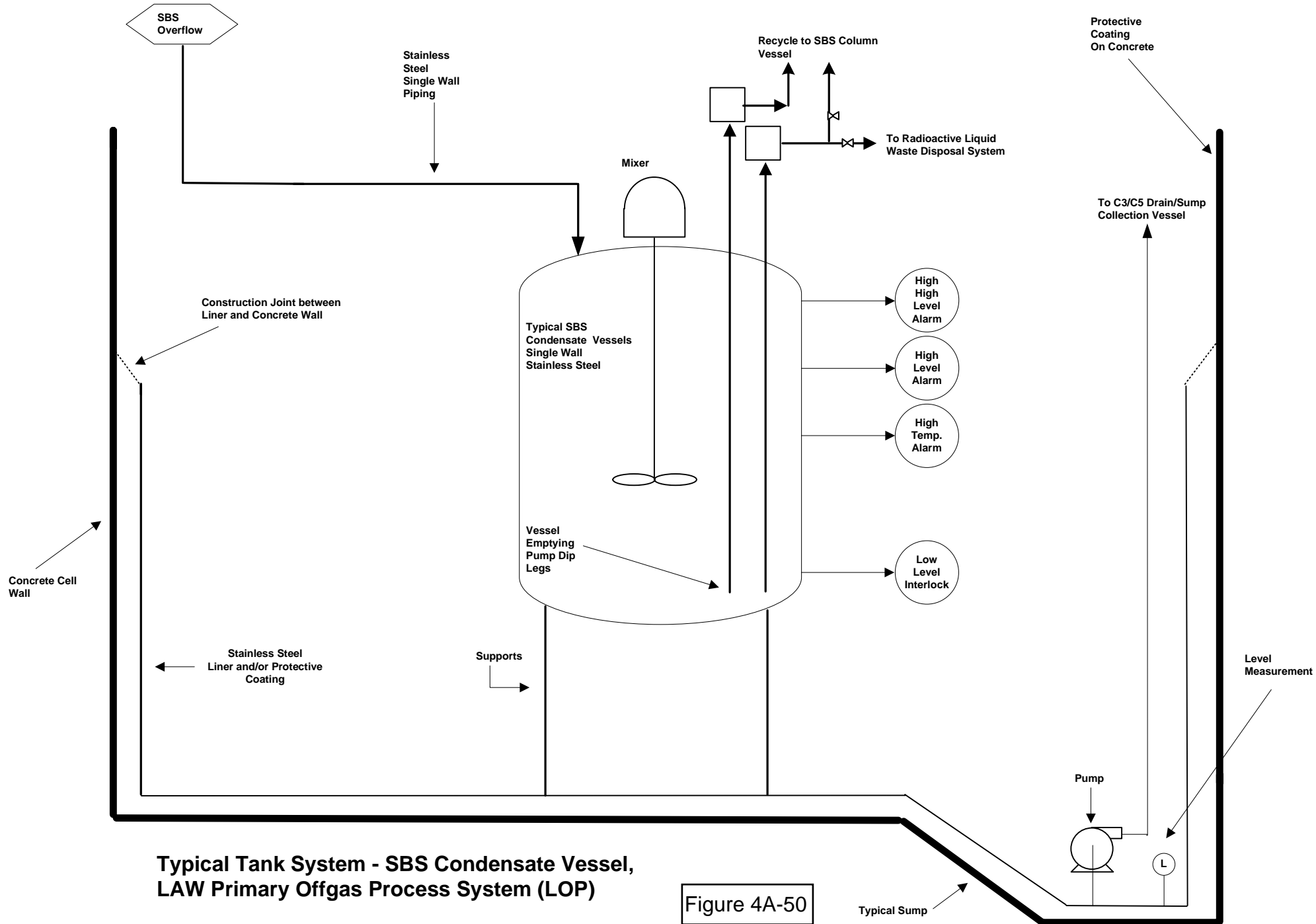
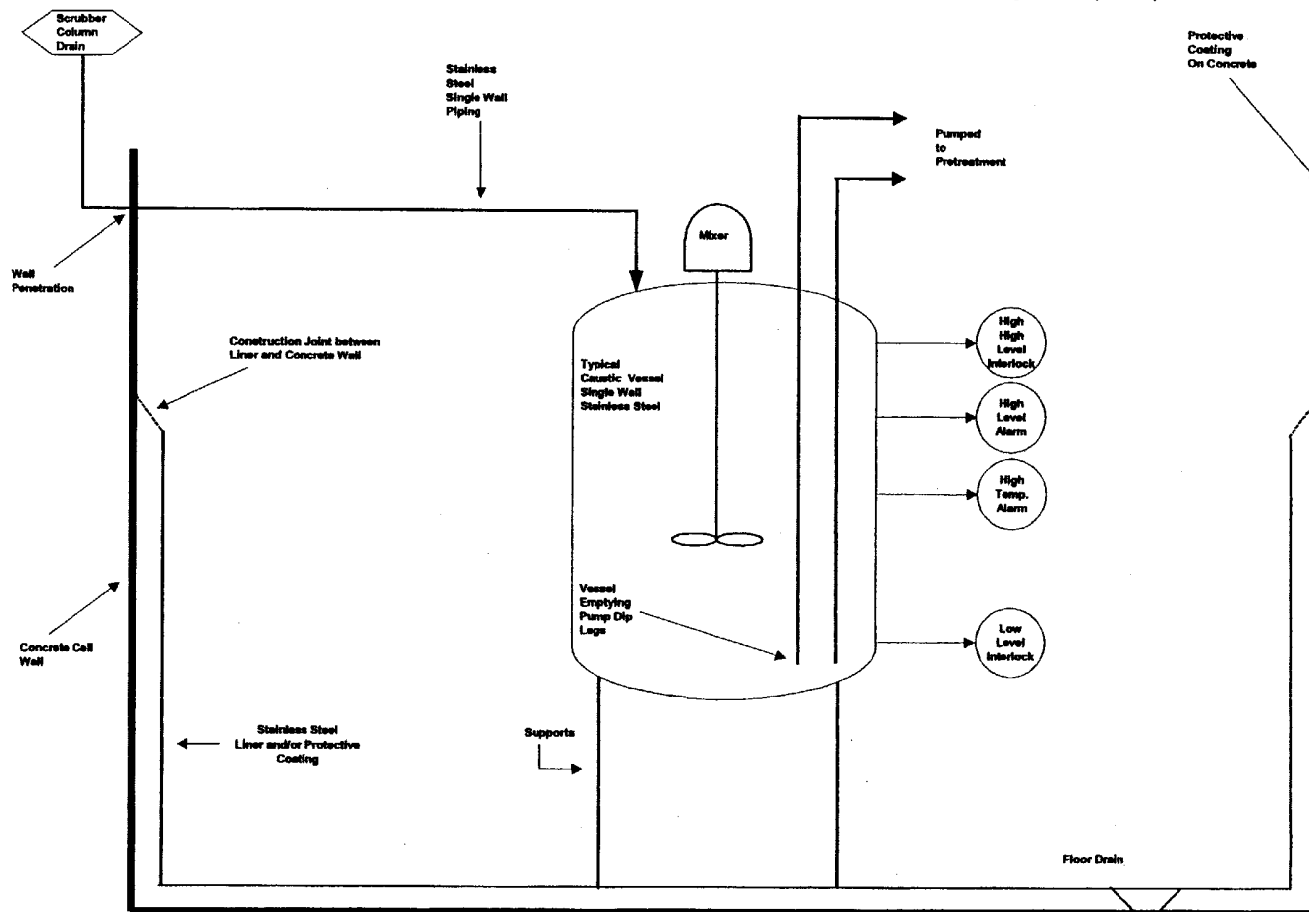


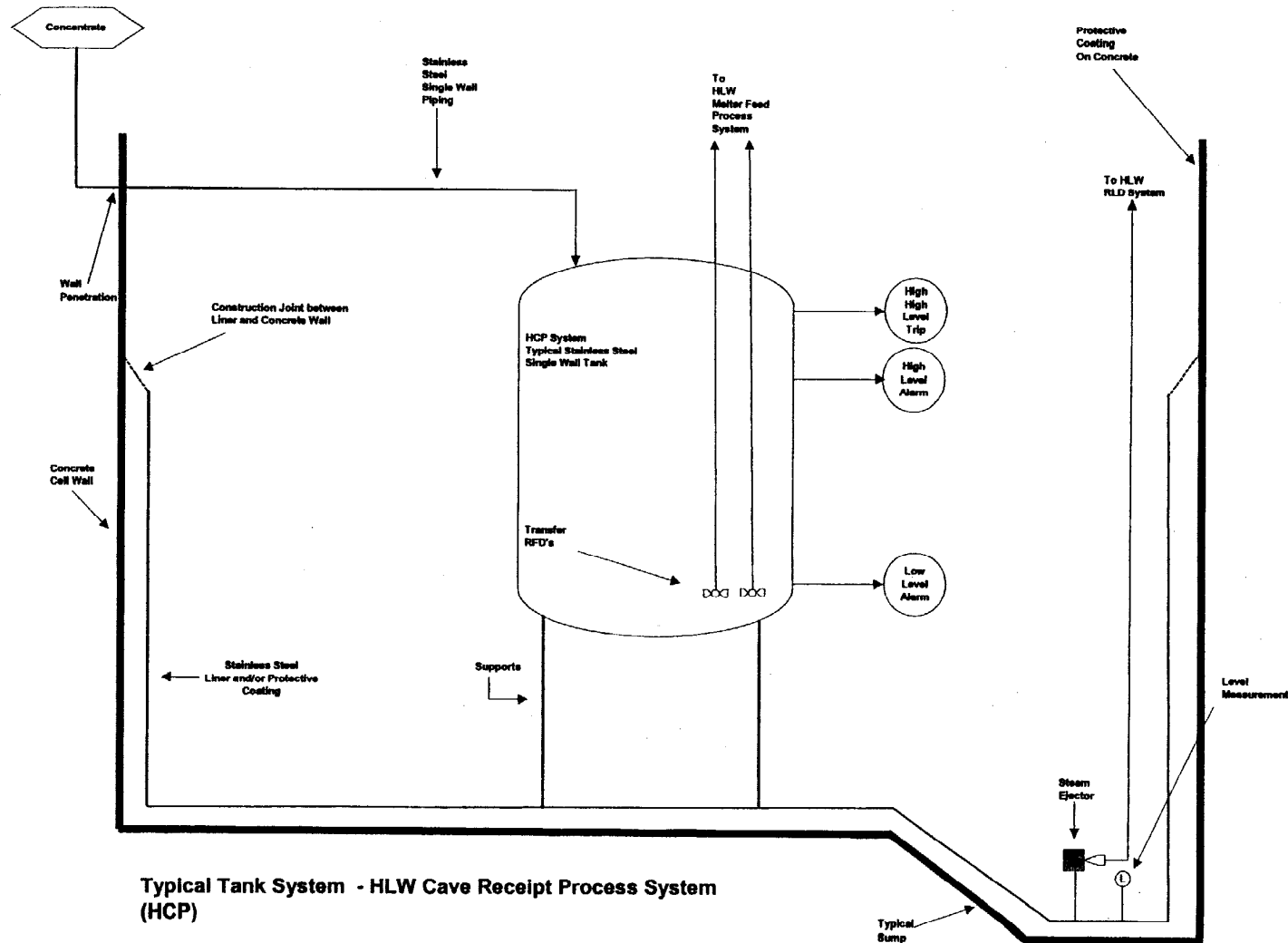
Figure 4A-50

Figure 4A-51 Typical Tank System – LAW Secondary Offgas/Vessel Vent Process System (LVP)



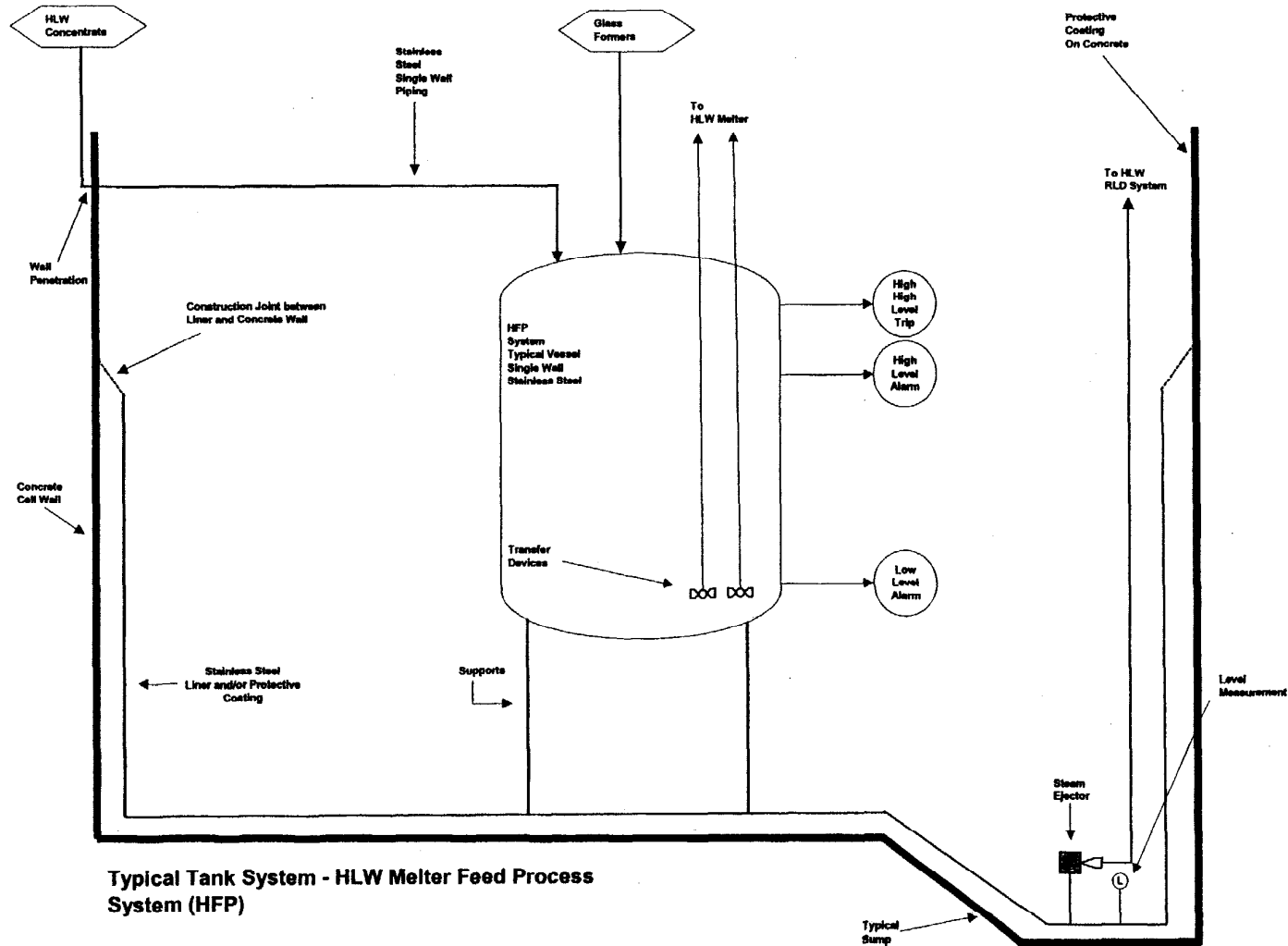
Typical Tank System - LAW Secondary
Offgas/Vessel Vent Process System (LVP)

Figure 4A-52 Typical Tank System – HLW Cave Receipt Process System (HCP)



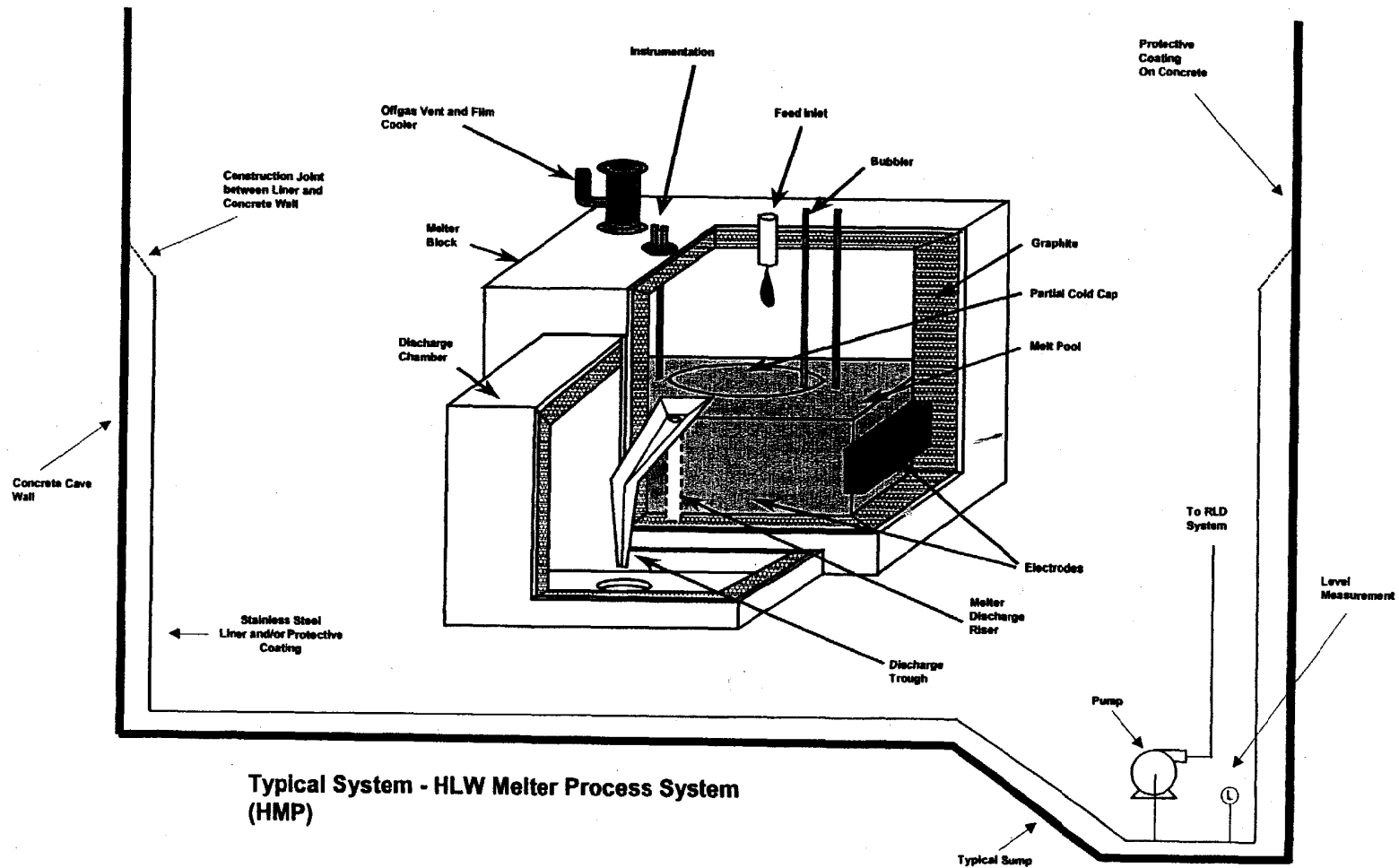
DOE/RL-2001-64

Figure 4A-53 Typical Tank System – HLW Melter Feed Process System (HFP)



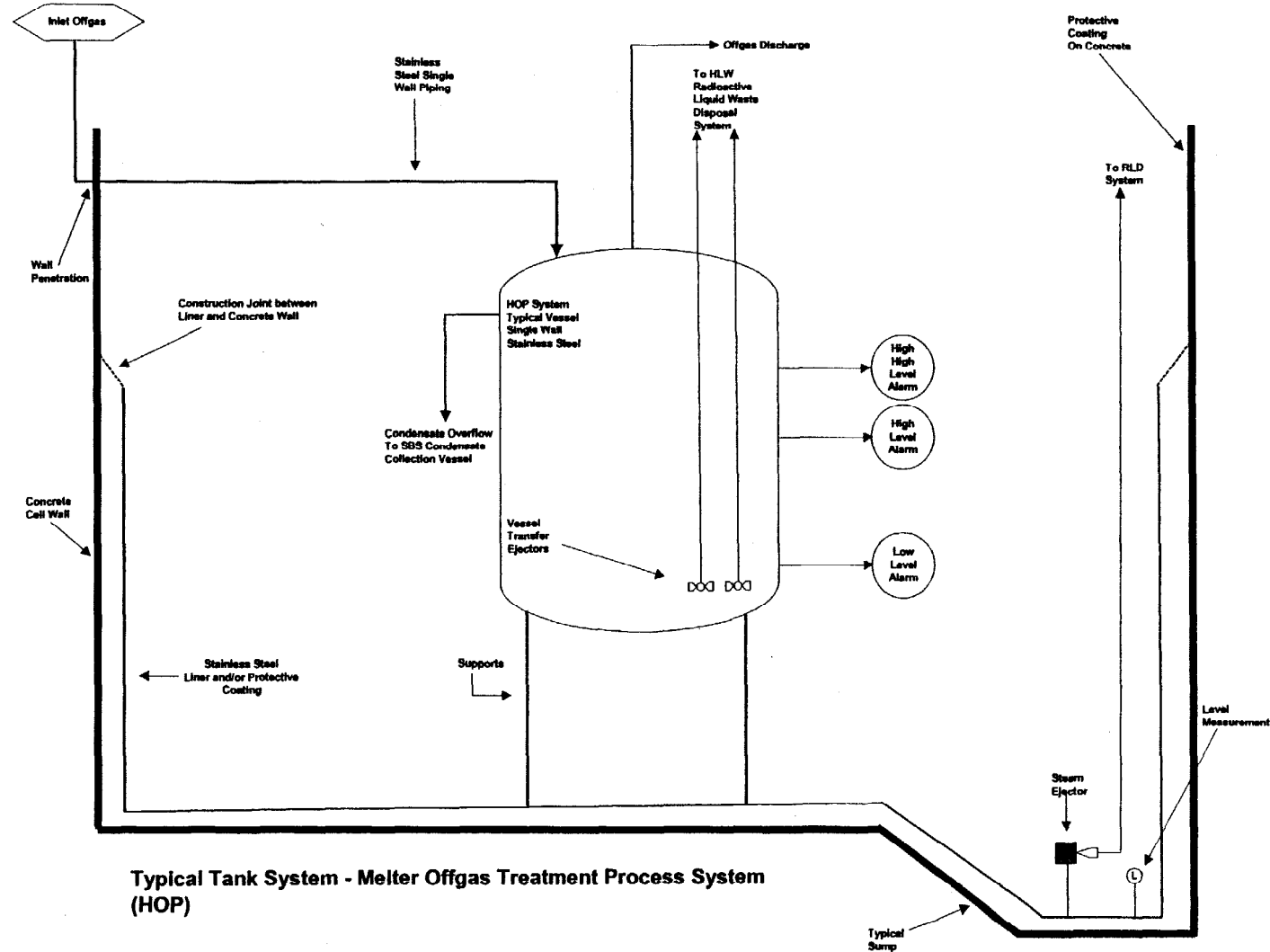
DOE/RL-2001-64

Figure 4A-54 Typical System – HLW Melter Process System (HMP)



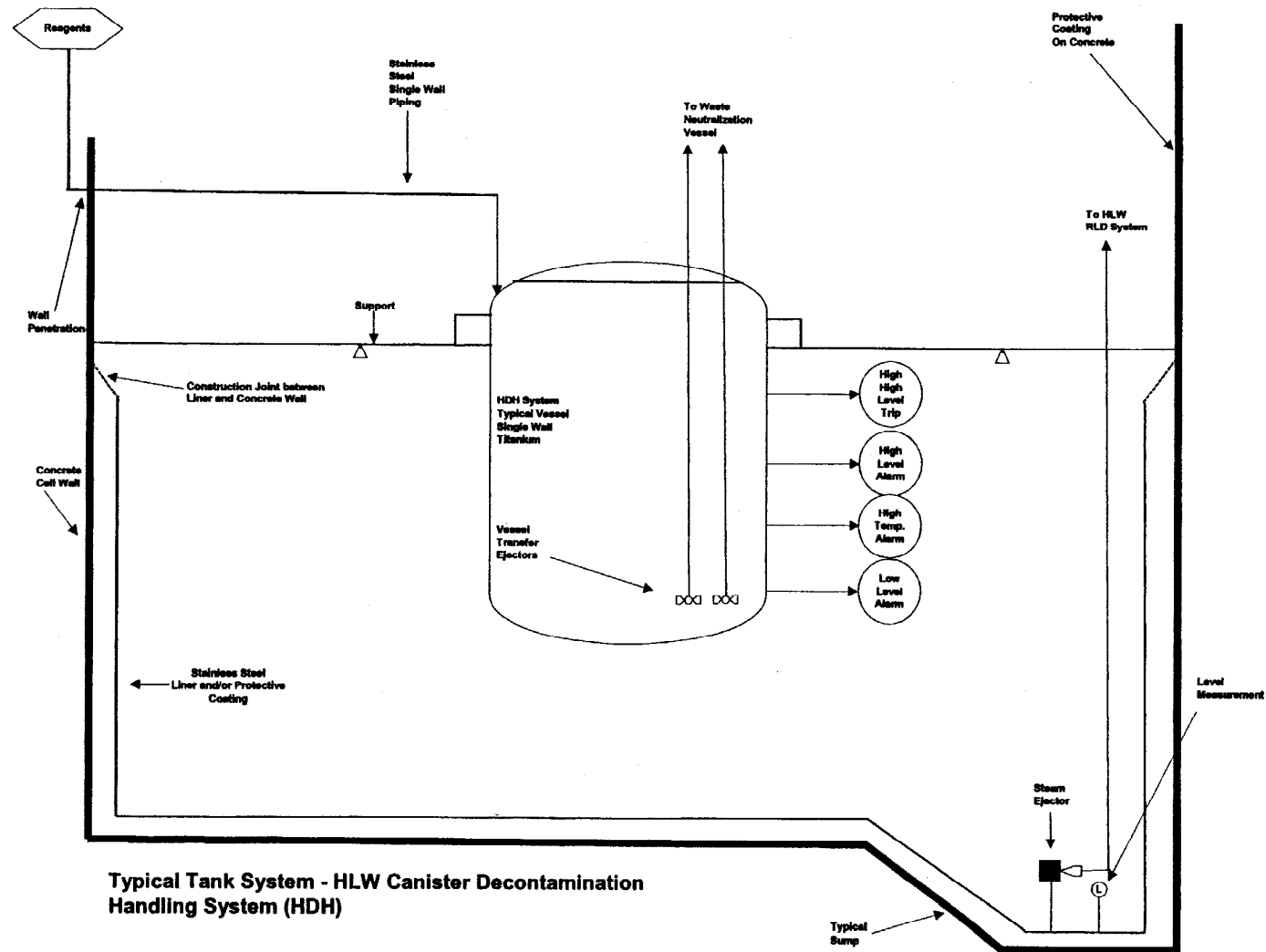
DOE/RL-2001-64

Figure 4A-55 Typical Tank System – Melter Offgas Treatment Process System (HOP)



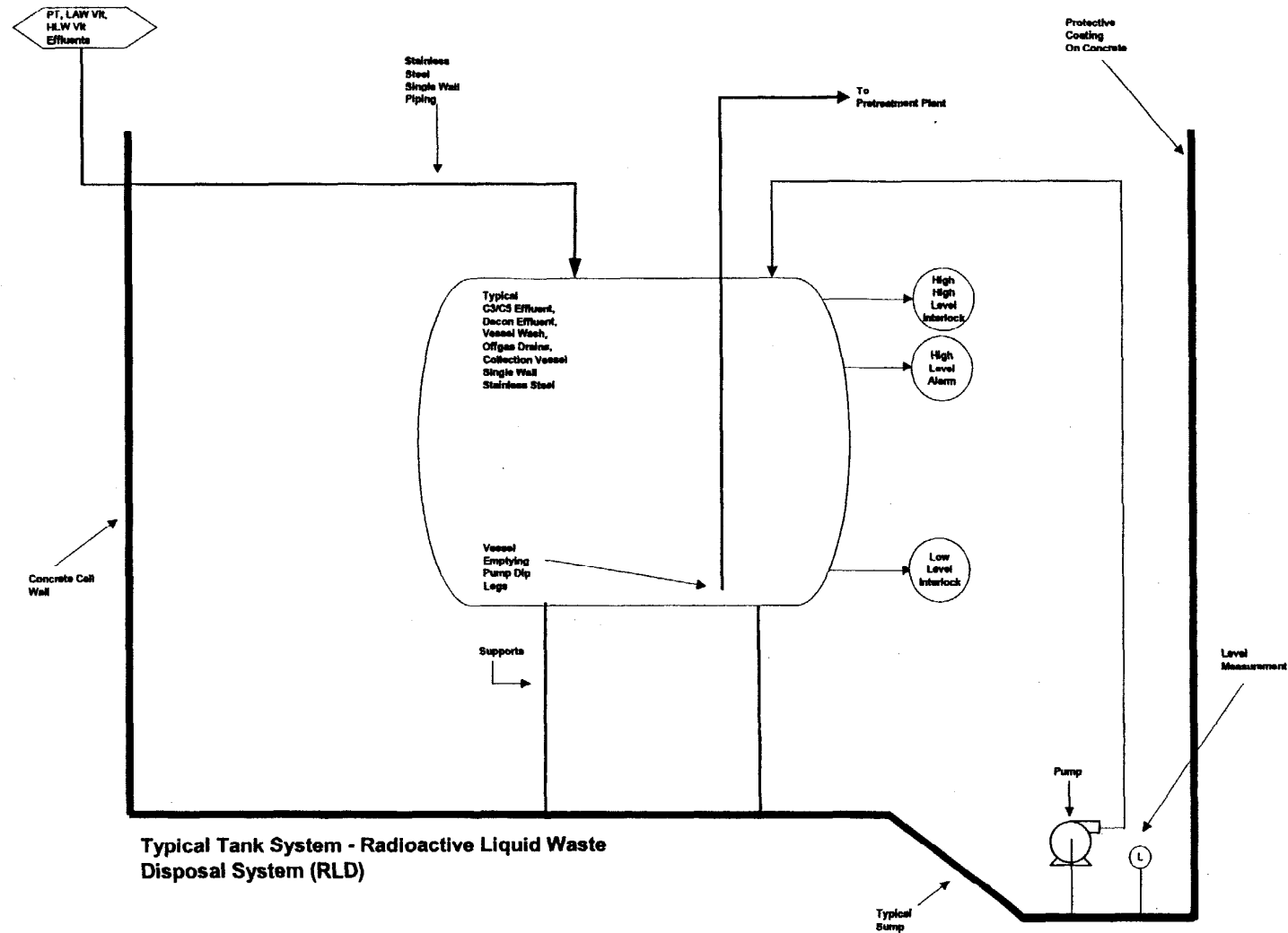
DOE/RL-2001-64

Figure 4A-56 Typical Tank System – HLW Canister Decontamination Handling System (HDH)



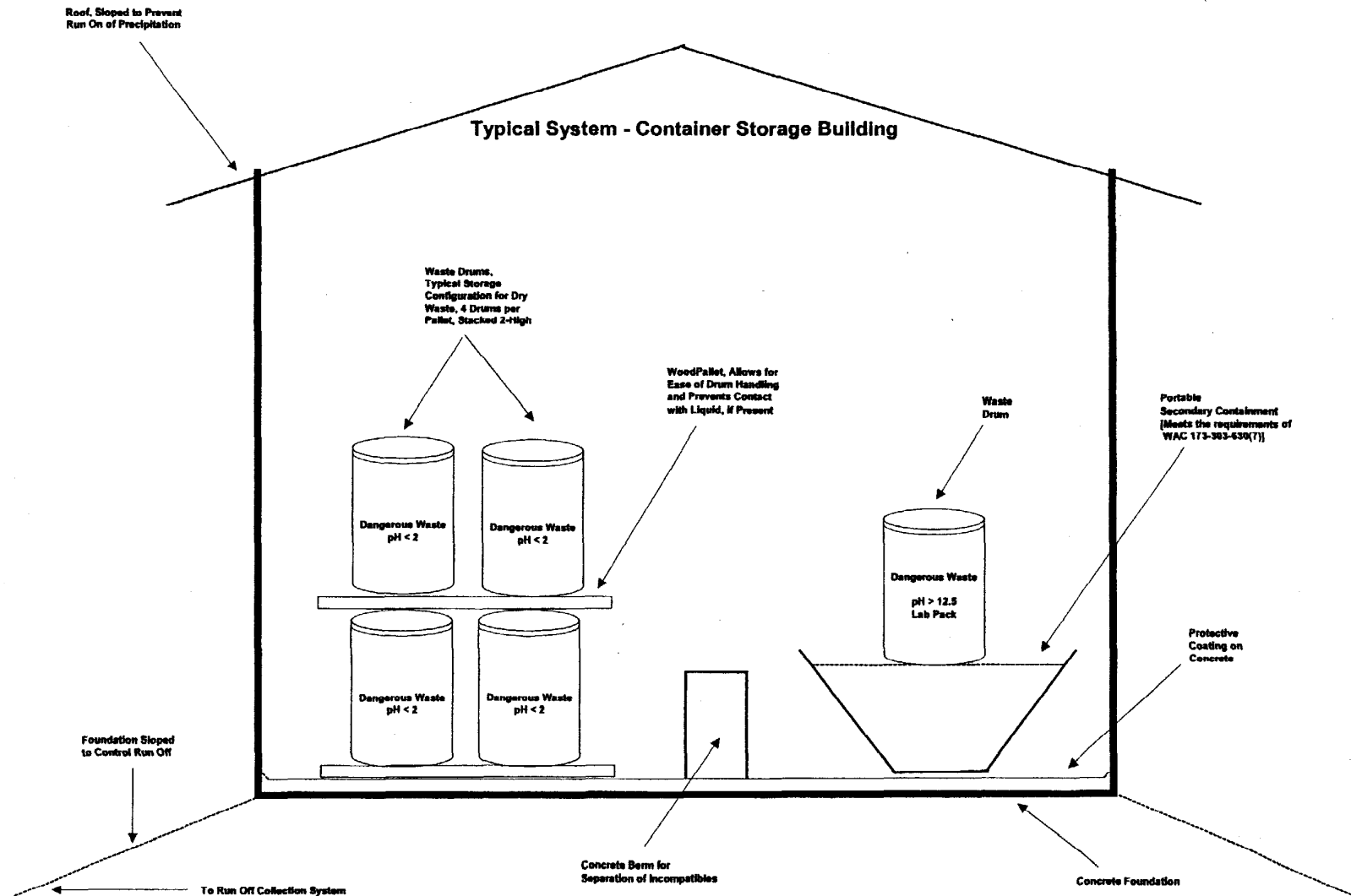
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Figure 4A-57 Typical Tank System – Radioactive Liquid Waste Disposal System (RLD)



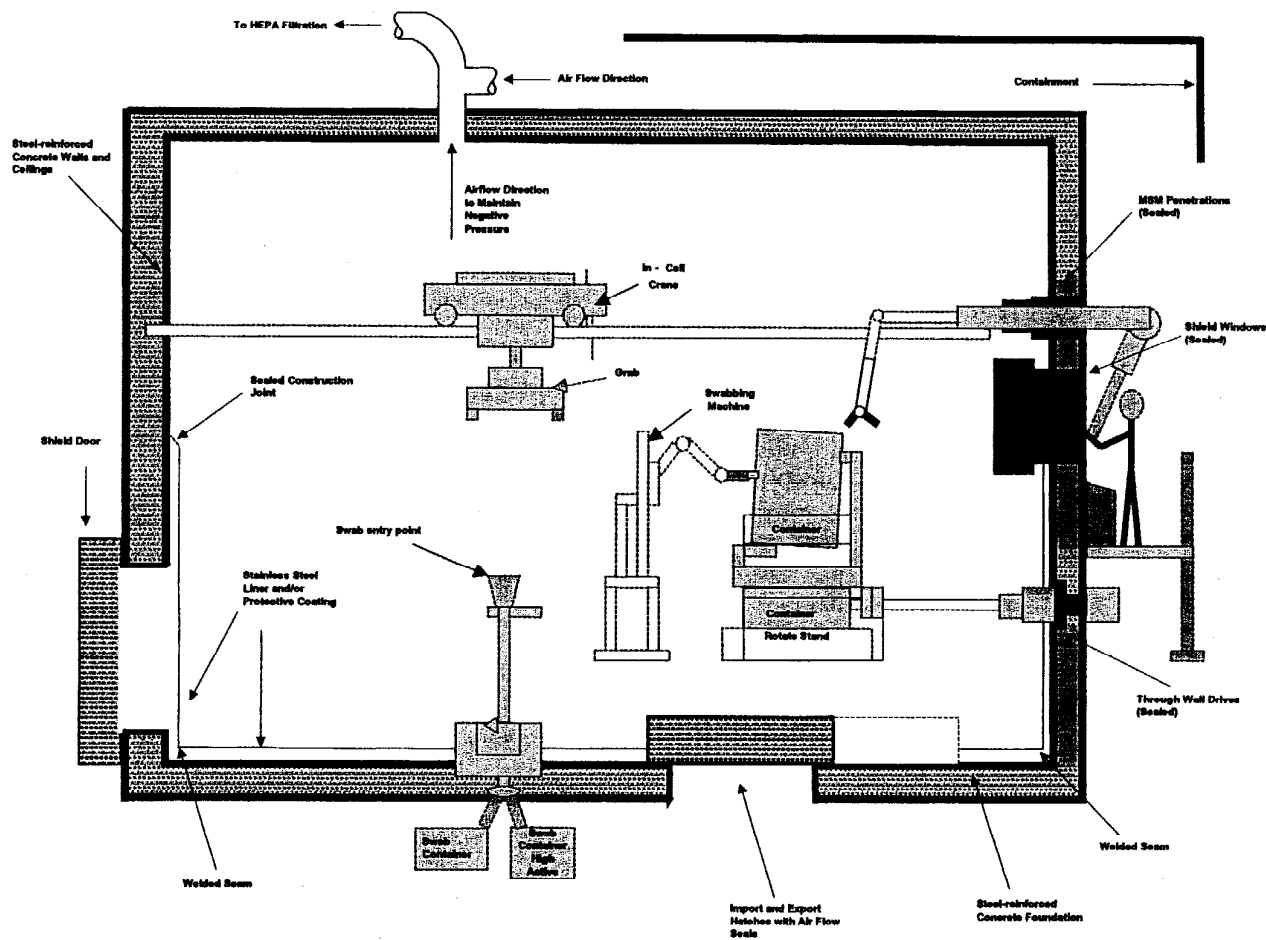
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Figure 4A-58 Typical System – BOF Container Storage Area



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Figure 4A-59 Typical System – Containment Building (Sheet 1)



Typical System - Containment Building

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Figure 4A-59 Typical System – Containment Building Typical Design Features Crosswalk
(Sheet 2)

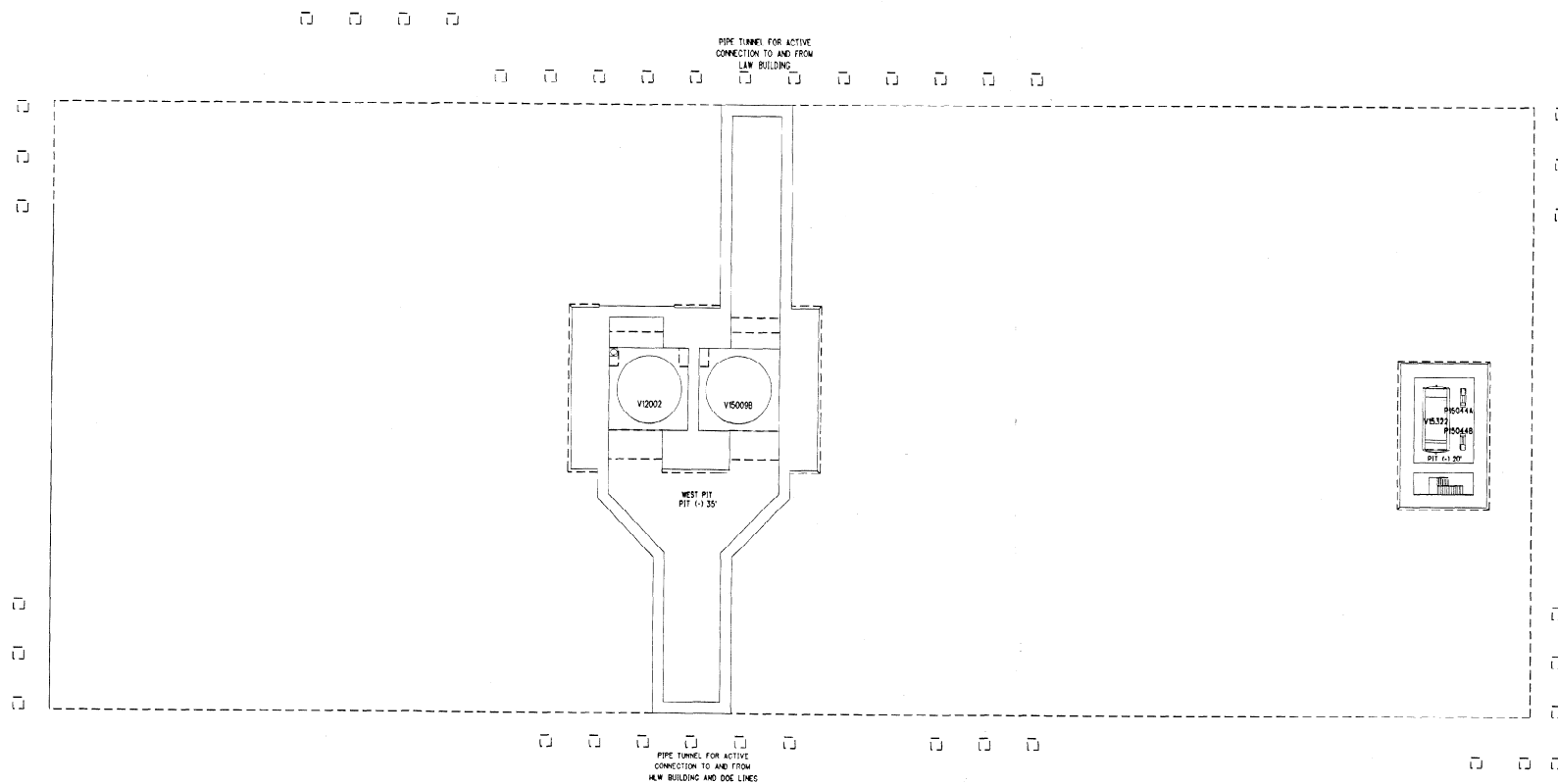
Containment Building	Shield	Negative Cell Air Pressure	Air Flow to HEPA Filters	SS Liner With Welded Seams	Decontaminatable Coating	Import / Export Hatch - (Controlled Air Gap)	Through Wall Drives - (Sealed)	Shield Windows - (Sealed)	Steel Reinforced Concrete Floor/Foundation	Steel Reinforced Concrete Walls & Ceilings	Through Wall MSMs - (Sealed)	In - Cell Bridge Crane / Monorail	Horiz/Vertical Shield Doors - (Controlled Air Gap)	Miscellaneous In-cell Room Equipment
Pretreatment Plant														
Pretreatment Hot Cell Containment Building	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Pretreatment Maintenance Containment Building	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Pretreatment Air Filtration Containment Building	X	X	X	X					X	X			X	X
LAW Vitrification Plant														
LAW LSM Gallery Containment Building		X	X						X	X			X	X
ILAW Container Finishing Containment Building	X	X	X		X	X		X	X	X	X	X	X	X
LAW Vit Plant C3 Workshop Containment Building		X	X		X							X		
HLW Vitrification Plant														
HLW Melters No. 1 and 2 Containment Building	X	X	X	X		X	X	X	X	X	X	X	X	X
IHLW Container Weld Containment Building	X	X	X	X		X	X	X	X	X	X	X	X	X
IHLW Container Decontamination Containment Building	X	X	X	X		X	X	X	X	X	X	X	X	
HLW Vit Plant C3 Workshop Containment Building		X	X	X	X				X	X		X		
HLW Air Filtration Containment Building	X	X	X		X	X			X	X			X	X
HLW Drum Transfer Tunnel Containment Building	X	X	X		X	X			X	X		X	X	



Figure 4A-60 Simplified General Arrangement
Pretreatment - Plan at El. -41'

24590-WTP-DWPA-ENV-01-001, Rev. 1
WTP Dangerous Waste Permit Application

DOE/RI-2001-64



SIMPLIFIED GENERAL ARRANGEMENT
PRETREATMENT - PLAN AT EL. (-)41'-0"
SCALE: NOT TO SCALE

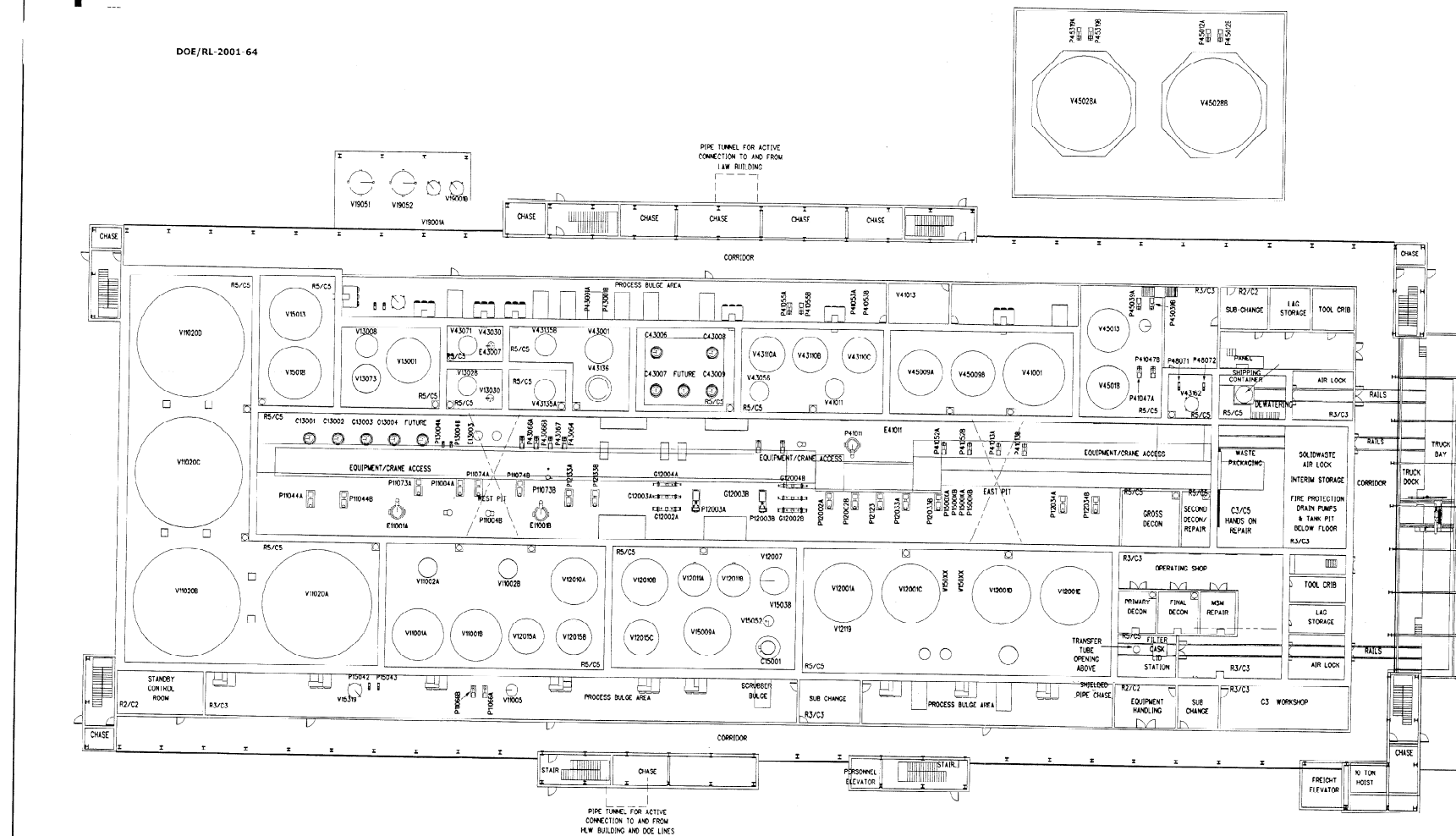
PN	EQP NO.	DESCRIPTION
1	V2002	HLW ACIDIC EFFLUENT HOLD VESSEL
2	V5009B	PLANT WASH VESSEL
3	V5332	FIRE WATER COLLECTION VESSEL
4	P5044A	FIRE WATER COLLECTION TANK DISCHARGE PUMP
5	P5044B	FIRE WATER COLLECTION TANK DISCHARGE PUMP



Figure 4A-61 Simplified General Arrangement
Pretreatment - Plan at EL. 0'

24590-WTP-DWPA-FNV-01-001, Rev. 1
WTP Dangerous Waste Permit Application

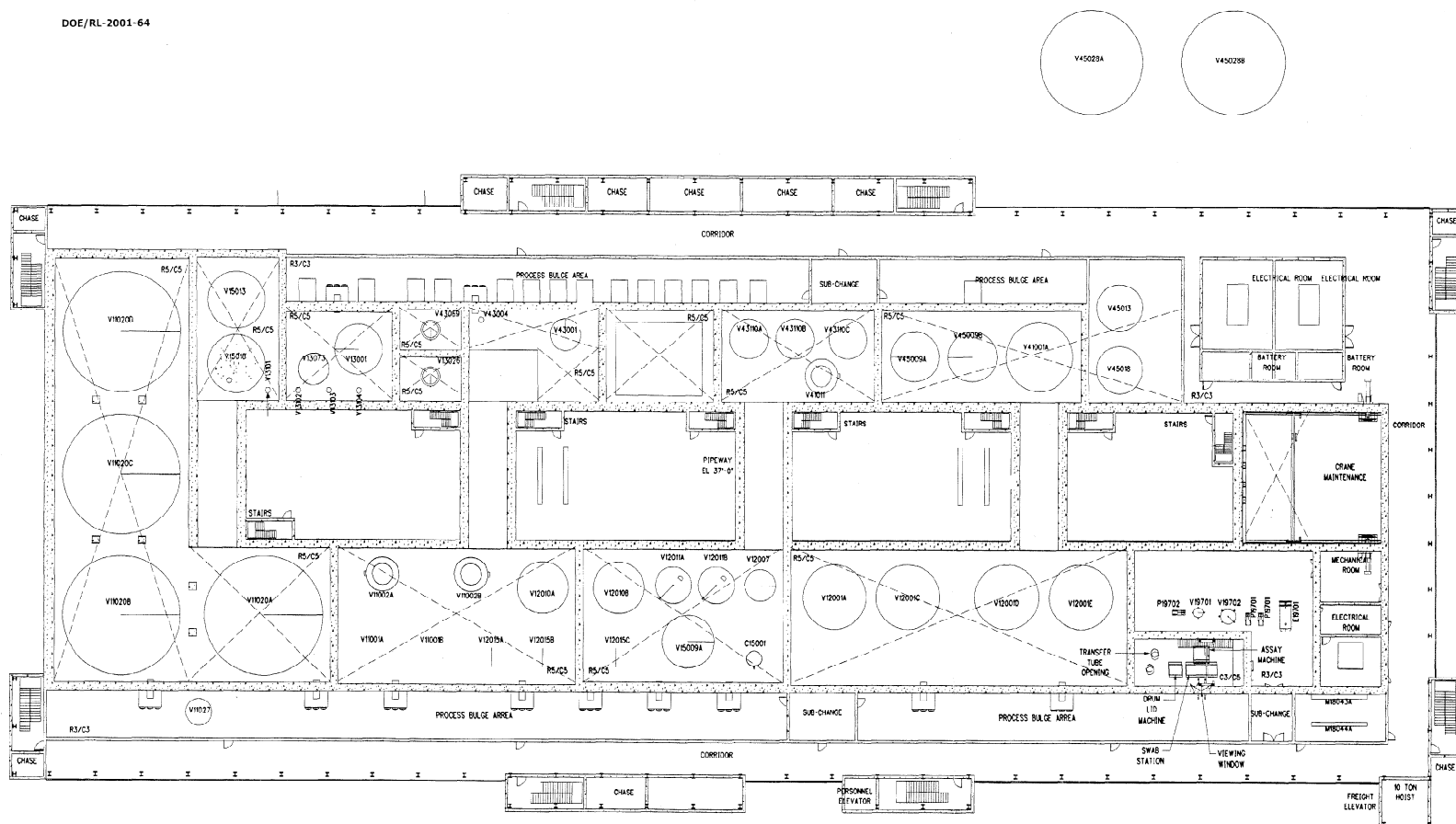
DOE/RL-2001-64



PIN	DESCRIPTION	PIN	DESCRIPTION	PIN	DESCRIPTION
C13001	CECILUM ION EXCHANGE COLUMN	P1073A	WASTE FEED EVAPORATOR FEED PUMP	P41005B	TREATED LAW TRANSFER PUMP
C13002	CECILUM ION EXCHANGE COLUMN	P1073B	WASTE FEED EVAPORATOR FEED PUMP	P43007A	TREATED LAW TRANSFER PUMP
C13003	CECILUM ION EXCHANGE COLUMN	P1074A	WASTE CONCENTRATE TAKE-OFF PUMP	P43007B	TREATED LAW TRANSFER PUMP
C13004	CECILUM ION EXCHANGE COLUMN	P1074B	WASTE CONCENTRATE TAKE-OFF PUMP	P43064	RESIN FLUSH TRANSFER PUMP
C15001	VESEL VENT SCRUBBER	P12002A	HLW FEED XFER PUMP	P43064A	RESIN TRANSFER PUMP
C43006	TECHNETIUM ION EXCHANGE COLUMN	P12002B	HLW FEED XFER PUMP	P43066B	RESIN TRANSFER PUMP
C43007	TECHNETIUM ION EXCHANGE COLUMN	P12003A	LAW ULTRAFILTRATION FEED PUMP	P43067	RESIN RECYCLE TRANSFER PUMP
C43008	TECHNETIUM ION EXCHANGE COLUMN	P12003B	LAW ULTRAFILTRATION FEED PUMP	P45002A	PROCESS CONDENSATE XFER PUMP
C43009	TECHNETIUM ION EXCHANGE COLUMN	P12033A	SR/TRU LAG STORAGE XFER PUMP	P45002B	PROCESS CONDENSATE XFER PUMP
E1001A	LAW FEED EVAPORATOR REBOILER	P12033B	SR/TRU LAG STORAGE XFER PUMP	P45039A	ALKALINE EFFLUENT PUMP
E1001B	LAW FEED EVAPORATOR REBOILER	P12034A	TRANSFER PUMP	P45039B	ALKALINE EFFLUENT PUMP
E4101	TREATED LAW EVAPORATOR REBOILER	P1223	EVELOPE O REJECT & FLUSH PUMP	P45319A	PROCESS CONDENSATE XFER PUMP
		P13004A	LAW FEED PUMP	P45319B	PROCESS CONDENSATE XFER PUMP
G12002A	ULTRA FILTER	P15042	FLOOR DRAINS DISCHARGE PUMP	P48072	CANISTER GROSS DEWATERING DIAPHRAM PUMP
G12002B	ULTRA FILTER	P15043	FLOOR DRAINS DISCHARGE PUMP		
G12003A	ULTRA FILTER	P15044	FLOOR DRAINS DISCHARGE PUMP	V11001A	EVAPORATOR FEED VESSEL
G12004A	ULTRA FILTER	P41011	EVAPORATOR RECIRCULATION PUMP	V11001B	EVAPORATOR FEED VESSEL
G12004B	ULTRA FILTER	P41012	CONCENTRATE TRANSFER PUMP	V11002A	WASTE FEED EVAPORATOR SEPARATOR VESSEL
		P41013	CONCENTRATE TRANSFER PUMP	V11002B	WASTE FEED EVAPORATOR SEPARATOR VESSEL
P1004A	LAW FEED EVAPORATOR RECIRCULATION PUMP	P41047B	CONDENSATE TRANSFER PUMP	V11005	LAW FEED EVAP PROCESS CONDENSATE POT
P1004B	LAW FEED EVAPORATOR RECIRCULATION PUMP	P41052A	PLANT WASH TRANSFER PUMP	V11020A	WASTE FEED RECEIPT VESSEL
P1044A	REJECT LAW FEED XFER PUMP	P41052B	PLANT WASH TRANSFER PUMP	V11020B	WASTE FEED RECEIPT VESSEL
P1044B	REJECT LAW FEED XFER PUMP	P41053A	TREATED LAW CONCENTRATE TAKE-OFF PUMP	V11020C	WASH HEAD RECEIPT VESSEL
P1066A	LAW FEED EVAPORATOR CONDENSATE XFER PUMP	P41053B	TREATED LAW CONCENTRATE TAKE-OFF PUMP	V11020D	WASTE FEED RECEIPT VESSEL
P1066B	LAW FEED EVAPORATOR CONDENSATE XFER PUMP	P41055A	TREATED LAW TRANSFER PUMP	V12001A	SR/TRU LAG STORAGE VESSEL
				V12001C	SR/TRU LAG STORAGE VESSEL

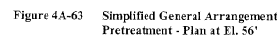
SIMPLIFIED GENERAL ARRANGEMENT
PRETREATMENT - PLAN AT EL. 0'-0"
SCALE: NOT TO SCALE

DOE/RL-2001-64

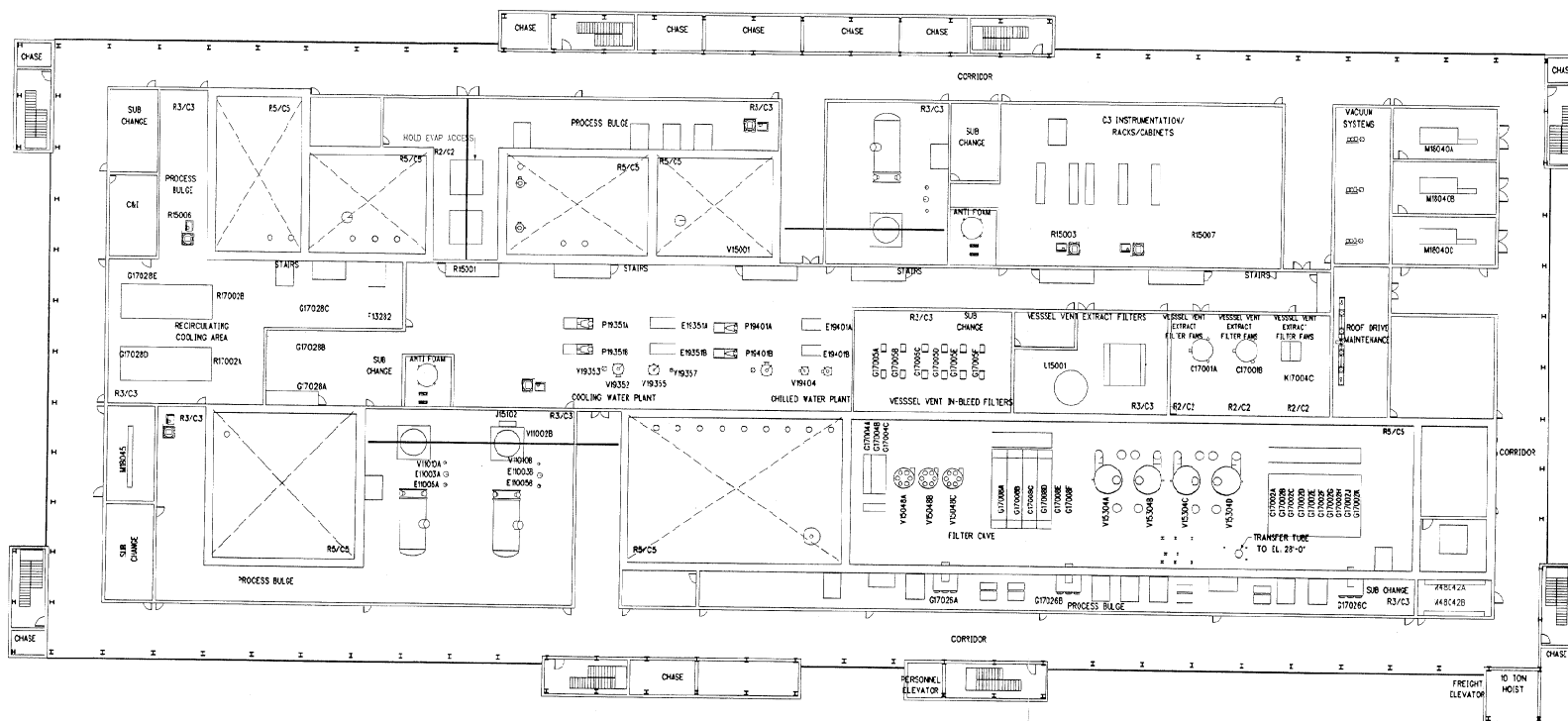


PIN	EOP NO.	DESCRIPTION	PIN	EOP NO.	DESCRIPTION
**	C10001	VESSSEL VENT SCRUBBER	**	V4101	EVAPORATOR VESSEL
**	V1001A	LAMP FLOW EVAPORATOR FEED VESSEL	**	V43001	TRT-100 EXCHANG FEED BUFFER VESSEL "A"
**	V1001B	LAMP FLOW EVAPORATOR FEED VESSEL	**	V43100A	TREATED LAMP COLLECTION VESSEL "A"
**	V1002A	EVAPORATOR RECIRCULATION VESSEL	**	V43100B	TREATED LAMP COLLECTION VESSEL "B"
**	V1002B	EVAPORATOR RECIRCULATION VESSEL	**	V43100C	TREATED LAMP COLLECTION VESSEL "C"
**	V1003A	LAMP RECIPT VESSEL	**	V45000A	PLANT WASH VESSEL
**	V1003B	LAMP RECIPT VESSEL	**	V45000B	PLANT WASH VESSEL
**	V1003C	LAMP RECIPT VESSEL	**	V45010	PRIMARY ALKALINE EFFLUENT VESSEL
**	V1003D	LAMP RECIPT VESSEL	**	V45050	SECONDARY ALKALINE EFFLUENT VESSEL
**	V1003E	ENVELOPE RECIPT VESSEL	**	V45020A	PROCESS WASTE VESSEL "A"
**	V1003F	ENVELOPE RECIPT VESSEL	**	V45020B	PROCESS WASTE VESSEL "B"
**	V1007	HEAT FLOW BLENDING VESSEL	**	E19701	NON-ACTIVE CONCENTRATE HEAT EXCHANGER
**	V1007A	EVAPORATOR CONCENTRATE BUFFER VESSEL	**	M10043A	MOTOR CONTROL CENTER
**	V1007B	EVAPORATOR CONCENTRATE BUFFER VESSEL	**	M10044A	MOTOR CONTROL CENTER
**	V1007C	EXTRA TREATMENT FEED VESSEL	**		
**	V1008	EXTRA TREATMENT FEED VESSEL	**	P10701	PUMP
**	V1009	PENALTY HOLD VESSEL	**	P10702	PUMP
**	V1010	PENALTY HOLD VESSEL	**	P10703	LINE FLOW HOLD UP VESSEL
**	V1015A	PENALTY HOLD VESSEL	**	V10026	EVAPORATOR REFLUE
**	V1015B	PENALTY HOLD VESSEL	**	V10102	EXCHANG PROCESS TANK
**	V1015C	PENALTY HOLD VESSEL	**	V10103	EXCHANG PROCESS TANK
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**	V1015Q	PENALTY HOLD VESSEL	**	V10117	EXCHANG PROCESS TANK
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**	V1015T	PENALTY HOLD VESSEL	**	V10120	EXCHANG PROCESS TANK
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**	V1015V	PENALTY HOLD VESSEL	**	V10122	EXCHANG PROCESS TANK
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**	V1015W	PENALTY HOLD VESSEL	**	V10149	EXCHANG PROCESS TANK
**	V1015X	PENALTY HOLD VESSEL	**	V10150	EXCHANG PROCESS TANK
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**	V1015V	PENALTY HOLD VESSEL	**	V10174	EXCHANG PROCESS TANK
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**	V1015I	PENALTY HOLD VESSEL	**	V10187	EXCHANG PROCESS TANK
**	V1015J	PENALTY HOLD VESSEL	**	V10188	EXCHANG PROCESS TANK
**	V1015K	PENALTY HOLD VESSEL	**	V10189	EXCHANG PROCESS TANK
**	V1015L	PENALTY HOLD VESSEL	**	V10190	EXCHANG PROCESS TANK
**	V1015M	PENALTY HOLD VESSEL	**	V10191	EXCHANG PROCESS TANK
**	V1015N	PENALTY HOLD VESSEL	**	V10192	EXCHANG PROCESS TANK
**	V1015O	PENALTY HOLD VESSEL	**	V10193	EXCHANG PROCESS TANK
**	V1015P	PENALTY HOLD VESSEL	**	V10194	EXCHANG PROCESS TANK
**	V1015Q	PENALTY HOLD VESSEL	**	V10195	EXCHANG PROCESS TANK
**	V1015R	PENALTY HOLD VESSEL	**	V10196	EXCHANG PROCESS TANK
**	V1015S	PENALTY HOLD VESSEL	**	V10197	EXCHANG PROCESS TANK
**	V1015T	PENALTY HOLD VESSEL	**	V10198	EXCHANG PROCESS TANK
**	V1015U	PENALTY HOLD VESSEL	**	V10199	EXCHANG PROCESS TANK
**	V1015V	PENALTY HOLD VESSEL	**	V10200	EXCHANG PROCESS TANK
**	V1015W	PENALTY HOLD VESSEL	**	V10201	EXCHANG PROCESS TANK
**	V1015X	PENALTY HOLD VESSEL	**	V10202	EXCHANG PROCESS TANK
**	V1015Y	PENALTY HOLD VESSEL	**	V10203	EXCHANG PROCESS TANK
**	V1015Z	PENALTY HOLD VESSEL	**	V10204	EXCHANG PROCESS TANK
**	V1015A	PENALTY HOLD VESSEL	**	V10205	EXCHANG PROCESS TANK
**	V1015B	PENALTY HOLD VESSEL	**	V10206	EXCHANG PROCESS TANK
**	V1015C	PENALTY HOLD VESSEL	**	V10207	EXCHANG PROCESS TANK
**	V1015D	PENALTY HOLD VESSEL	**	V10208	EXCHANG PROCESS TANK
**	V1015E	PENALTY HOLD VESSEL	**	V10209	EXCHANG PROCESS TANK
**	V1015F	PENALTY HOLD VESSEL	**	V10210	EXCHANG PROCESS TANK
**	V1015G	PENALTY HOLD VESSEL	**	V10211	EXCHANG PROCESS TANK
**	V1015H	PENALTY HOLD VESSEL	**	V10212	EXCHANG PROCESS TANK
**	V1015I	PENALTY HOLD VESSEL	**	V10213	EXCHANG PROCESS TANK
**	V1015J	PENALTY HOLD VESSEL	**	V10214	EXCHANG PROCESS TANK
**	V1015K	PENALTY HOLD VESSEL	**	V10215	EXCHANG PROCESS TANK
**	V1015L	PENALTY HOLD VESSEL	**	V10216	EXCHANG PROCESS TANK
**	V1015M	PENALTY HOLD VESSEL	**	V10217	EXCHANG PROCESS TANK
**	V1015N	PENALTY HOLD VESSEL	**	V10218	EXCHANG PROCESS TANK
**	V1015O	PENALTY HOLD VESSEL	**	V10219	EXCHANG PROCESS TANK
**	V1015P	PENALTY HOLD VESSEL	**	V10220	EXCHANG PROCESS TANK
**	V1015Q	PENALTY HOLD VESSEL	**	V10221	EXCHANG PROCESS TANK
**	V1015R	PENALTY HOLD VESSEL	**	V10222	EXCHANG PROCESS TANK
**	V1015S	PENALTY HOLD VESSEL	**	V10223	EXCHANG PROCESS TANK
**	V1015T	PENALTY HOLD VESSEL	**	V10224	EXCHANG PROCESS TANK
**	V1015U	PENALTY HOLD VESSEL	**	V10225	EXCHANG PROCESS TANK
**	V1015V	PENALTY HOLD VESSEL	**	V10226	EXCHANG PROCESS TANK
**	V1015W	PENALTY HOLD VESSEL	**	V10227	EXCHANG PROCESS TANK
**	V1015X	PENALTY HOLD VESSEL	**	V10228	EXCHANG PROCESS TANK
**	V1015Y	PENALTY HOLD VESSEL	**	V10229	EXCHANG PROCESS TANK
**	V1015Z	PENALTY HOLD VESSEL	**	V10230	EXCHANG PROCESS TANK
**	V1015A	PENALTY HOLD VESSEL	**	V10231	EXCHANG PROCESS TANK
**	V1015B	PENALTY HOLD VESSEL	**	V10232	EXCHANG PROCESS TANK
**	V1015C	PENALTY HOLD VESSEL	**	V10233	EXCHANG PROCESS TANK
**	V1015D	PENALTY HOLD VESSEL	**	V10234	EXCHANG PROCESS TANK
**	V1015E	PENALTY HOLD VESSEL	**	V10235	EXCHANG PROCESS TANK
**	V1015F	PENALTY HOLD VESSEL	**	V10236	EXCHANG PROCESS TANK
**	V1015G	PENALTY HOLD VESSEL	**	V10237	EXCHANG PROCESS TANK
**	V1015H	PENALTY HOLD VESSEL	**	V10238	EXCHANG PROCESS TANK
**	V1015I	PENALTY HOLD VESSEL	**	V10239	EXCHANG PROCESS TANK
**	V1015J	PENALTY HOLD VESSEL	**	V10240	EXCHANG PROCESS TANK
**	V1015K	PENALTY HOLD VESSEL	**	V10241	EXCHANG PROCESS TANK
**	V1015L	PENALTY HOLD VESSEL	**	V10242	EXCHANG PROCESS TANK
**	V1015M	PENALTY HOLD VESSEL	**	V10243	EXCHANG PROCESS TANK
**	V1015N	PENALTY HOLD VESSEL	**	V10244	EXCHANG PROCESS TANK
**	V1015O	PENALTY HOLD VESSEL	**	V10245	EXCHANG PROCESS TANK
**	V1015P	PENALTY HOLD VESSEL	**	V10246	EXCHANG PROCESS TANK
**	V1015Q	PENALTY HOLD VESSEL	**	V10247	EXCHANG PROCESS TANK
**	V1015R	PENALTY HOLD VESSEL	**	V10248	EXCHANG PROCESS TANK
**	V1015S	PENALTY HOLD VESSEL	**	V10249	EXCHANG PROCESS TANK
**	V1015T	PENALTY HOLD VESSEL	**	V10250	EXCHANG PROCESS TANK
**	V1015U	PENALTY HOLD VESSEL	**	V10251	EXCHANG PROCESS TANK
**	V1015V	PENALTY HOLD VESSEL	**	V10252	EXCHANG PROCESS TANK
**	V1015W	PENALTY HOLD VESSEL	**	V10253	EXCHANG PROCESS TANK
**	V1015X	PENALTY HOLD VESSEL	**	V10254	EXCHANG PROCESS TANK
**	V1015Y	PENALTY HOLD VESSEL	**	V10255	EXCHANG PROCESS TANK
**	V1015Z	PENALTY HOLD VESSEL	**	V10256	EXCHANG PROCESS TANK
**	V1015A	PENALTY HOLD VESSEL	**	V10257	EXCHANG PROCESS TANK
**	V1015B	PENALTY HOLD VESSEL	**	V10258	EXCHANG PROCESS TANK
**	V1015C	PENALTY HOLD VESSEL	**	V10259	EXCHANG PROCESS TANK
**	V1015D	PENALTY HOLD VESSEL	**	V10260	EXCHANG PROCESS TANK
**	V1015E	PENALTY HOLD VESSEL	**	V10261	EXCHANG PROCESS TANK
**	V1015F	PENALTY HOLD VESSEL	**	V10262	EXCHANG PROCESS TANK
**	V1015G	PENALTY HOLD VESSEL	**	V10263	EXCHANG PROCESS TANK
**	V1015H	PENALTY HOLD VESSEL	**	V10264	EXCHANG PROCESS TANK
**	V1015I	PENALTY HOLD VESSEL	**	V10265	EXCHANG PROCESS TANK
**	V1015J	PENALTY HOLD VESSEL	**	V10266	EXCHANG PROCESS TANK
**	V1015K	PENALTY HOLD VESSEL	**	V10267	EXCHANG PROCESS TANK
**	V1015L	PENALTY HOLD VESSEL	**	V10268	EXCHANG PROCESS TANK
**	V1015M	PENALTY HOLD VESSEL	**	V10269	EXCHANG PROCESS TANK
**	V1015N	PENALTY HOLD VESSEL	**	V10270	EXCHANG PROCESS TANK
**	V1015O	PENALTY HOLD VESSEL	**	V10271	EXCHANG PROCESS TANK
**	V1015P	PENALTY HOLD VESSEL	**	V10272	EXCHANG PROCESS TANK
**	V1015Q	PENALTY HOLD VESSEL	**	V10273	EXCHANG PROCESS TANK
**	V1015R	PENALTY HOLD VESSEL	**	V10274	EXCHANG PROCESS TANK
**	V1015S	PENALTY HOLD VESSEL	**	V10275	EXCHANG PROCESS TANK
**	V1015T	PENALTY HOLD VESSEL	**	V10276	EXCHANG PROCESS TANK
**	V1015U	PENALTY HOLD VESSEL	**	V10277	EXCHANG PROCESS TANK
**	V1015V	PENALTY HOLD VESSEL	**	V10278	EXCHANG PROCESS TANK
**	V1015W	PENALTY HOLD VESSEL	**	V10279	EXCHANG PROCESS TANK
**	V1015X	PENALTY HOLD VESSEL	**	V10280	EXCHANG PROCESS TANK
**	V1015Y	PENALTY HOLD VESSEL	**	V10281	EXCHANG PROCESS TANK
**	V1015Z	PENALTY HOLD VESSEL	**	V10282	EXCHANG PROCESS TANK
**	V1015A	PENALTY HOLD VESSEL	**	V10283	EXCHANG PROCESS TANK
**	V1015B	PENALTY HOLD VESSEL	**	V10284	EXCHANG PROCESS TANK
**	V1015C	PENALTY HOLD VESSEL	**	V10285	EXCHANG PROCESS TANK
**	V1015D	PENALTY HOLD VESSEL	**	V10286	EXCHANG PROCESS TANK
**	V1015E	PENALTY HOLD VESSEL	**	V10287	EXCHANG PROCESS TANK
**	V1015F	PENALTY HOLD VESSEL	**	V10288	EXCHANG PROCESS TANK
**	V1015G	PENALTY HOLD VESSEL	**	V10289	EXCHANG PROCESS TANK
**	V1015H	PENALTY HOLD VESSEL	**	V10290	EXCHANG PROCESS TANK
**	V1015I	PENALTY HOLD VESSEL	**	V10291	EXCHANG PROCESS TANK
**	V1015J	PENALTY HOLD VESSEL	**	V10292	EXCHANG PROCESS TANK
**	V1015K	PENALTY HOLD VESSEL	**	V10293	EXCHANG PROCESS TANK
**	V1015L	PENALTY HOLD VESSEL	**	V10294	EXCHANG PROCESS TANK
**	V1015M	PENALTY HOLD VESSEL	**	V10295	EXCHANG PROCESS TANK
**	V1015N	PENALTY HOLD VESSEL	**	V10296	EXCHANG PROCESS TANK
**	V1015O	PENALTY HOLD VESSEL	**	V10297	EXCHANG PROCESS TANK
**	V1015P	PENALTY HOLD VES			

SIMPLIFIED GENERAL ARRANGEMENT
PRETREATMENT - PLAN AT EL. 28'-0"
SCALE: NOT TO SCALE



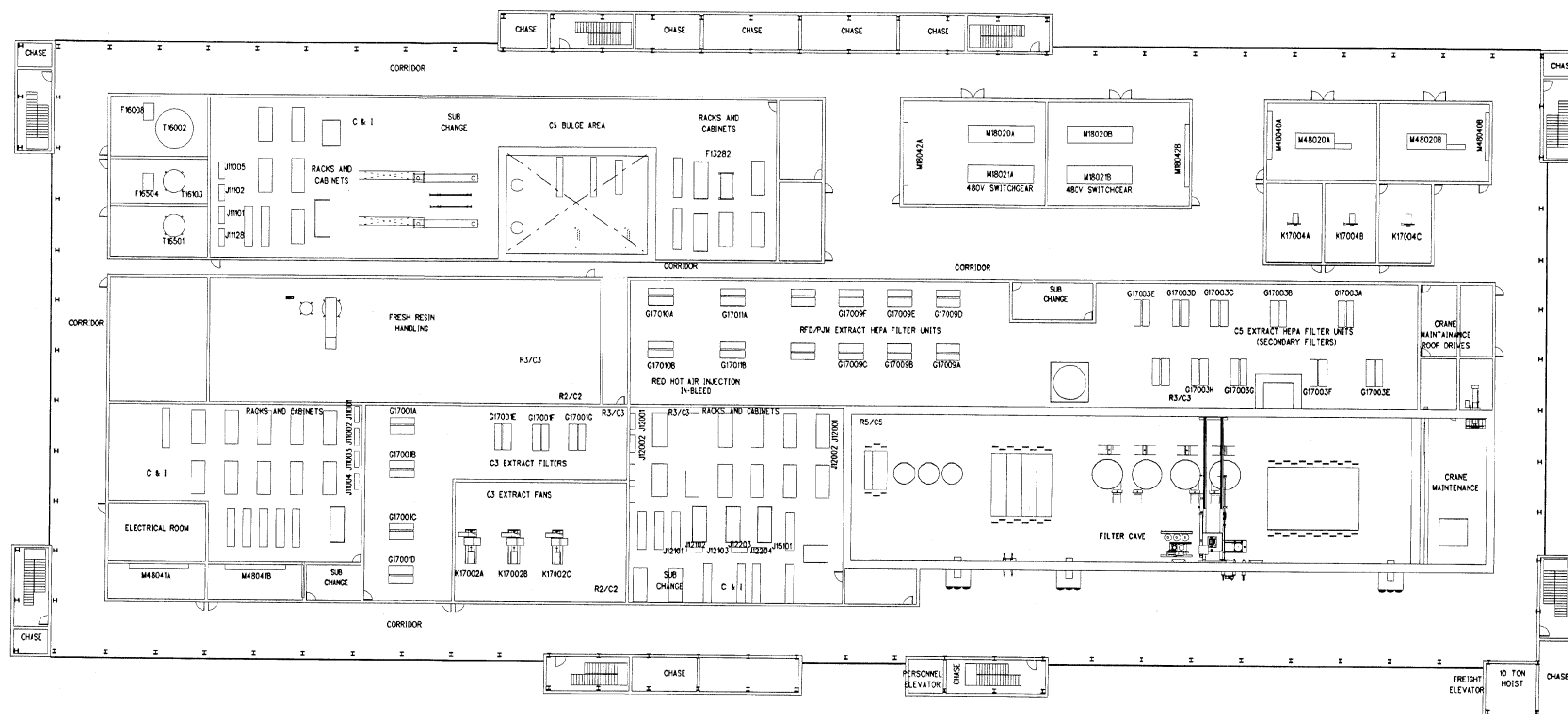
DOE/RL-2001-64



PIN	EQP NO.	DESCRIPTION	PIN	EQP NO.	DESCRIPTION	PIN	EQP NO.	DESCRIPTION	PIN	EQP NO.	DESCRIPTION
..	07000A	CARBON BEE FILTER	..	07000A	PW EXTRACT - PRIMARY HEPA FILTER	..	P0000	VACUUM PUMP	..	V0000	AIR SEPARATOR
..	07000B	CARBON BEE FILTER	..	07000B	PW EXTRACT - SECONDARY HEPA FILTER	..	P0000B	VACUUM PUMP	..	V0000B	SECONDARY COOLING WATER CHEMICAL FEED TANK
..	07000C	LAW FEED EVAPORATOR (AT INTERCONDENSOR 'A')	..	07000C	PW EXTRACT - SECONDARY HEPA FILTER	..	P0000C	VACUUM PUMP	..	V0000C	SECONDARY COND. COOLING WATER BULK TANK
..	07000D	LAW FEED EVAPORATOR (AT INTERCONDENSOR 'B')	..	07000D	PW EXTRACT - SECONDARY HEPA FILTER	..	P0000D	COOLING WATER DISTRIBUTION PUMP 'A'	..	V0000D	CS COOL. WATER STORAGE DELAY TANK
..	07000E	LAW FEED EVAPORATOR INTERCONDENSOR 'A'	..	07000E	PW EXTRACT - SECONDARY HEPA FILTER	..	P0000E	COOLING WATER DISTRIBUTION PUMP 'B'	..	V0000E	CS COOL. WATER STORAGE DELAY TANK
..	07000F	LAW FEED EVAPORATOR INTERCONDENSOR 'B'	..	07000F	PW EXTRACT - SECONDARY HEPA FILTER	..	P0000F	CHILLED WATER DISTRIBUTION PUMP 'A'	..	V0000F	CHILLER FOR EXCHANGER GROUP DELAY TANK
..	07000G	LAW FEED EVAPORATOR INTERCONDENSOR 'A'	..	07000G	PW EXTRACT - SECONDARY HEPA FILTER	..	P0000G	CHILLED WATER DISTRIBUTION PUMP 'B'	..	V0000G	
..	07000H	LAW FEED EVAPORATOR INTERCONDENSOR 'B'	..	07000H	PW EXTRACT - PRIMARY HEPA FILTER	..	P0000H	AIR COOLER	..		
..	07000I	LAW FEED EVAPORATOR INTERCONDENSOR 'A'	..	07000I	PW EXTRACT - PRIMARY HEPA FILTER	..	P0000I	AIR COOLER	..		
..	07000J	LAW FEED EVAPORATOR INTERCONDENSOR 'B'	..	07000J	PW EXTRACT - PRIMARY HEPA FILTER	..	P0000J	AIR COOLER	..		
..	07000K	LAW FEED EVAPORATOR INTERCONDENSOR 'A'	..	07000K	PW EXTRACT - PRIMARY HEPA FILTER	..	P0000K	AIR COOLER	..		
..	07000L	LAW FEED EVAPORATOR INTERCONDENSOR 'B'	..	07000L	PW EXTRACT - PRIMARY HEPA FILTER	..	P0000L	AIR COOLER	..		
..	07000M	LAW FEED EVAPORATOR INTERCONDENSOR 'A'	..	07000M	PW EXTRACT - PRIMARY HEPA FILTER	..	P0000M	AIR COOLER	..		
..	07000N	LAW FEED EVAPORATOR INTERCONDENSOR 'B'	..	07000N	PW EXTRACT - PRIMARY HEPA FILTER	..	P0000N	AIR COOLER	..		
..	07000O	LAW FEED EVAPORATOR INTERCONDENSOR 'A'	..	07000O	PW EXTRACT - PRIMARY HEPA FILTER	..	P0000O	AIR COOLER	..		
..	07000P	LAW FEED EVAPORATOR INTERCONDENSOR 'B'	..	07000P	PW EXTRACT - PRIMARY HEPA FILTER	..	P0000P	AIR COOLER	..		
..	07000Q	LAW FEED EVAPORATOR INTERCONDENSOR 'A'	..	07000Q	PW EXTRACT - PRIMARY HEPA FILTER	..	P0000Q	AIR COOLER	..		
..	07000R	LAW FEED EVAPORATOR INTERCONDENSOR 'B'	..	07000R	PW EXTRACT - PRIMARY HEPA FILTER	..	P0000R	AIR COOLER	..		
..	07000S	LAW FEED EVAPORATOR INTERCONDENSOR 'A'	..	07000S	PW EXTRACT - PRIMARY HEPA FILTER	..	P0000S	AIR COOLER	..		
..	07000T	LAW FEED EVAPORATOR INTERCONDENSOR 'B'	..	07000T	PW EXTRACT - PRIMARY HEPA FILTER	..	P0000T	AIR COOLER	..		
..	07000U	LAW FEED EVAPORATOR INTERCONDENSOR 'A'	..	07000U	PW EXTRACT - PRIMARY HEPA FILTER	..	P0000U	AIR COOLER	..		
..	07000V	LAW FEED EVAPORATOR INTERCONDENSOR 'B'	..	07000V	PW EXTRACT - PRIMARY HEPA FILTER	..	P0000V	AIR COOLER	..		
..	07000W	LAW FEED EVAPORATOR INTERCONDENSOR 'A'	..	07000W	PW EXTRACT - PRIMARY HEPA FILTER	..	P0000W	AIR COOLER	..		
..	07000X	LAW FEED EVAPORATOR INTERCONDENSOR 'B'	..	07000X	PW EXTRACT - PRIMARY HEPA FILTER	..	P0000X	AIR COOLER	..		
..	07000Y	LAW FEED EVAPORATOR INTERCONDENSOR 'A'	..	07000Y	PW EXTRACT - PRIMARY HEPA FILTER	..	P0000Y	AIR COOLER	..		
..	07000Z	LAW FEED EVAPORATOR INTERCONDENSOR 'B'	..	07000Z	PW EXTRACT - PRIMARY HEPA FILTER	..	P0000Z	AIR COOLER	..		
..	07000A	PW EXTRACT - PRIMARY HEPA FILTER	..	M0004A	480V SWITCHGEAR UNIT	..	V0000B	PLANT FEED EVAPORATOR VESSEL	..	V0000	PLANT WASH BREAKPOT
..	07000B	PW EXTRACT - PRIMARY HEPA FILTER	..	M0004B	480V SWITCHGEAR UNIT	..	V0000C	HEME VESSEL VENT SYSTEM	..	V0000	HEME VESSEL VENT SYSTEM
..	07000C	PW EXTRACT - PRIMARY HEPA FILTER	..	M0004C	480V SWITCHGEAR UNIT	..	V0000D	HEME VESSEL VENT SYSTEM	..	V0000	HEME VESSEL VENT SYSTEM
..	07000D	PW EXTRACT - PRIMARY HEPA FILTER	..	M0004D	MOTOR CONTROL CENTER	..	V0000E	HEME VESSEL VENT SYSTEM	..	V0000	HEME VESSEL VENT SYSTEM
..	07000E	PW EXTRACT - PRIMARY HEPA FILTER	..	M0004E	MOTOR CONTROL CENTER	..	V0000F	HEME VESSEL VENT SYSTEM	..	V0000	HEME VESSEL VENT SYSTEM
..	07000F	PW EXTRACT - PRIMARY HEPA FILTER	..	M0004F	MOTOR CONTROL CENTER	..	V0000G	HEME VESSEL VENT SYSTEM	..	V0000	HEME VESSEL VENT SYSTEM
..	07000G	PW EXTRACT - PRIMARY HEPA FILTER	..	M0004G	MOTOR CONTROL CENTER	..	V0000H	HEME VESSEL VENT SYSTEM	..	V0000	HEME VESSEL VENT SYSTEM
..	07000H	PW EXTRACT - PRIMARY HEPA FILTER	..	M0004H	MOTOR CONTROL CENTER	..	V0000I	HEME VESSEL VENT SYSTEM	..	V0000	HEME VESSEL VENT SYSTEM
..	07000I	PW EXTRACT - PRIMARY HEPA FILTER	..	M0004I	MOTOR CONTROL CENTER	..	V0000J	HEME VESSEL VENT SYSTEM	..	V0000	HEME VESSEL VENT SYSTEM
..	07000J	PW EXTRACT - PRIMARY HEPA FILTER	..	M0004J	MOTOR CONTROL CENTER	..	V0000K	HEME VESSEL VENT SYSTEM	..	V0000	HEME VESSEL VENT SYSTEM
..	07000K	PW EXTRACT - PRIMARY HEPA FILTER	..	M0004K	MOTOR CONTROL CENTER	..	V0000L	HEME VESSEL VENT SYSTEM	..	V0000	HEME VESSEL VENT SYSTEM
..	07000L	PW EXTRACT - PRIMARY HEPA FILTER	..	M0004L	MOTOR CONTROL CENTER	..	V0000M	HEME VESSEL VENT SYSTEM	..	V0000	HEME VESSEL VENT SYSTEM
..	07000M	PW EXTRACT - PRIMARY HEPA FILTER	..	M0004M	MOTOR CONTROL CENTER	..	V0000N	HEME VESSEL VENT SYSTEM	..	V0000	HEME VESSEL VENT SYSTEM
..	07000N	PW EXTRACT - PRIMARY HEPA FILTER	..	M0004N	MOTOR CONTROL CENTER	..	V0000O	HEME VESSEL VENT SYSTEM	..	V0000	HEME VESSEL VENT SYSTEM
..	07000O	PW EXTRACT - PRIMARY HEPA FILTER	..	M0004O	MOTOR CONTROL CENTER	..	V0000P	HEME VESSEL VENT SYSTEM	..	V0000	HEME VESSEL VENT SYSTEM
..	07000P	PW EXTRACT - PRIMARY HEPA FILTER	..	M0004P	MOTOR CONTROL CENTER	..	V0000Q	HEME VESSEL VENT SYSTEM	..	V0000	HEME VESSEL VENT SYSTEM
..	07000Q	PW EXTRACT - PRIMARY HEPA FILTER	..	M0004Q	MOTOR CONTROL CENTER	..	V0000R	HEME VESSEL VENT SYSTEM	..	V0000	HEME VESSEL VENT SYSTEM
..	07000R	PW EXTRACT - PRIMARY HEPA FILTER	..	M0004R	MOTOR CONTROL CENTER	..	V0000S	HEME VESSEL VENT SYSTEM	..	V0000	HEME VESSEL VENT SYSTEM
..	07000S	PW EXTRACT - PRIMARY HEPA FILTER	..	M0004S	MOTOR CONTROL CENTER	..	V0000T	HEME VESSEL VENT SYSTEM	..	V0000	HEME VESSEL VENT SYSTEM
..	07000T	PW EXTRACT - PRIMARY HEPA FILTER	..	M0004T	MOTOR CONTROL CENTER	..	V0000U	HEME VESSEL VENT SYSTEM	..	V0000	HEME VESSEL VENT SYSTEM
..	07000U	PW EXTRACT - PRIMARY HEPA FILTER	..	M0004U	MOTOR CONTROL CENTER	..	V0000V	HEME VESSEL VENT SYSTEM	..	V0000	HEME VESSEL VENT SYSTEM
..	07000V	PW EXTRACT - PRIMARY HEPA FILTER	..	M0004V	MOTOR CONTROL CENTER	..	V0000W	HEME VESSEL VENT SYSTEM	..	V0000	HEME VESSEL VENT SYSTEM
..	07000W	PW EXTRACT - PRIMARY HEPA FILTER	..	M0004W	MOTOR CONTROL CENTER	..	V0000X	HEME VESSEL VENT SYSTEM	..	V0000	HEME VESSEL VENT SYSTEM
..	07000X	PW EXTRACT - PRIMARY HEPA FILTER	..	M0004X	MOTOR CONTROL CENTER	..	V0000Y	HEME VESSEL VENT SYSTEM	..	V0000	HEME VESSEL VENT SYSTEM
..	07000Y	PW EXTRACT - PRIMARY HEPA FILTER	..	M0004Y	MOTOR CONTROL CENTER	..	V0000Z	HEME VESSEL VENT SYSTEM	..	V0000	HEME VESSEL VENT SYSTEM
..	07000Z	PW EXTRACT - PRIMARY HEPA FILTER	..	M0004Z	MOTOR CONTROL CENTER	..	V0000A	HEME VESSEL VENT SYSTEM	..	V0000	HEME VESSEL VENT SYSTEM

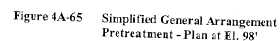
SIMPLIFIED GENERAL ARRANGEMENT
PRETREATMENT - PLAN AT EL. 56'-0"
SCALE: NOT TO SCALE

DOE/RL-2001-64

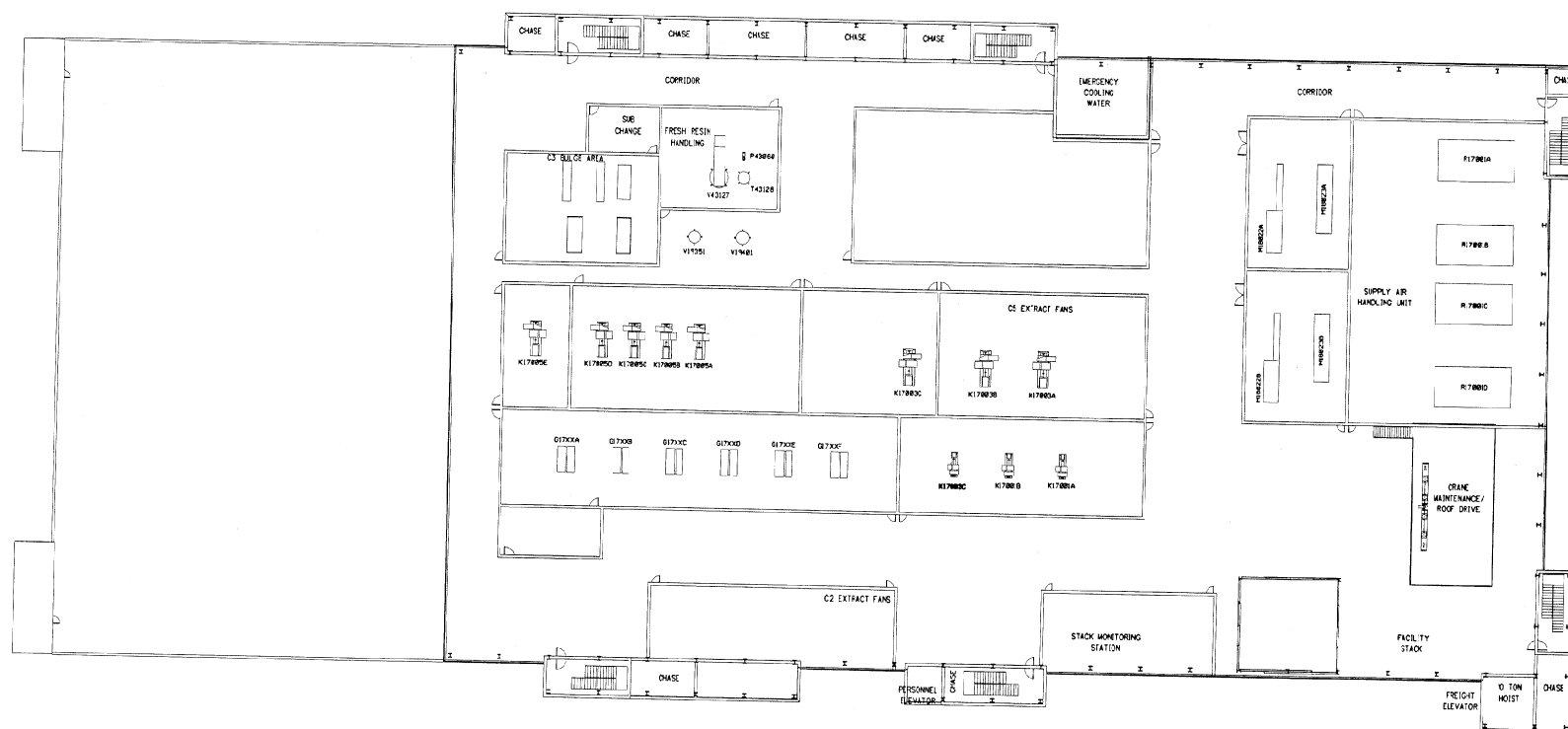


PIN	EQP NO.	DESCRIPTION	PIN	EQP NO.	DESCRIPTION	PIN	EQP NO.	DESCRIPTION	PIN	EQP NO.	DESCRIPTION
..E1001		2YHEAD RECTIFIER CONDENSER	..G10000		PAN EXTRACT - SECONDARY HEPA FILTER	..H10022		G3 EXTRACT FAN	..		
..E1002		AFTERCONDENSER	..G10006		PAN EXTRACT - SECONDARY HEPA FILTER	..H10040A		VESEL VENT EXTRACT FAN	..		
..E4000		CONCENTRATOR NITRIC ACID CONDENSER	..G10007		PAN EXTRACT - SECONDARY HEPA FILTER	..H10048		VESEL VENT EXTRACT FAN	..		
..E4006		AFTERCONDENSER	..G10008		PAN IN-BLEED HEPA FILTER	..H1004C		VESEL VENT EXTRACT FAN	..		
..F8008		SUMP	..G10063		INLET FILTER HOT AIR	..M1020A		400V SWITCHGEAR UNIT	..		
..F8008B		SUMP	..G10014		PAN IN-BLEED HEPA FILTER	..M1020B		400V SWITCHGEAR UNIT	..		
..F8004		SUMP	..G10016		OUTLET FILTER HOT AIR	..M1021A		400V SWITCHGEAR UNIT	..		
..F8282		SUMP	..J0001		INSTRUMENT BOX	..M1021B		400V SWITCHGEAR UNIT	..		
..G1001A		G3 EXTRACT HEPA FILTER	..J0002		INSTRUMENT BOX	..M1024A		LOAD DELLS	..		
..G1001B		G3 EXTRACT HEPA FILTER	..J0003		INSTRUMENT BOX	..M1042B		LOAD DELLS	..		
..G1001C		G3 EXTRACT HEPA FILTER	..J0004		INSTRUMENT BOX	..M1052A		LOAD DELLS	..		
..G1001D		G3 EXTRACT HEPA FILTER	..J0005		INSTRUMENT BOX	..M1052B		LOAD DELLS	..		
..G1001E		G3 EXTRACT HEPA FILTER	..J0007		INSTRUMENT BOX	..M1054B		LOAD DELLS	..		
..G1001F		G3 EXTRACT HEPA FILTER	..J0002		INSTRUMENT BOX	..M1054B		LOAD DELLS	..		
..G1001G		G3 EXTRACT HEPA FILTER	..J1028			..M1054A		LOAD DELLS	..		
..G1001H		G3 EXTRACT HEPA FILTER	..J0001		FRANCOISE PANEL	..M1054B		LOAD DELLS	..		
..G1003A		G5 EXTRACT - SECONDARY HEPA FILTER	..J0002		FRANCOISE PANEL	..Y10003		C5M NITRIC ACID HEAT TANK	..		
..G1003B		G5 EXTRACT - SECONDARY HEPA FILTER	..J2001		INSTRUMENT BOX	..Y10013		C5M SODIUM HYDROXIDE HEAT TANK	..		
..G1003C		G5 EXTRACT - SECONDARY HEPA FILTER	..J2002		INSTRUMENT BOX	..Y10017		CEMENTALIZED WATER HEAT TANK	..		
..G1003D		G5 EXTRACT - SECONDARY HEPA FILTER	..J2003		INSTRUMENT BOX	..Y10025		FRESH CESIUM RESIN ADDITION TANK	..		
..G1003E		G5 EXTRACT - SECONDARY HEPA FILTER	..J2001		INSTRUMENT BOX		
..G1003F		G5 EXTRACT - SECONDARY HEPA FILTER	..J2002		INSTRUMENT BOX		
..G1003G		G5 EXTRACT - SECONDARY HEPA FILTER	..J2003		INSTRUMENT BOX		
..G1003H		G5 EXTRACT - SECONDARY HEPA FILTER	..J2004		INSTRUMENT BOX		
..G1006A		PAN EXTRACT - SECONDARY HEPA FILTER	..J6001		INSTRUMENT BOX		
..G1006B		PAN EXTRACT - SECONDARY HEPA FILTER	..J6002		INSTRUMENT BOX		
..G1009A		PAN EXTRACT - SECONDARY HEPA FILTER	..K10023		G3 EXTRACT FAN		

SIMPLIFIED GENERAL ARRANGEMENT
PRETREATMENT - PLAN AT EL. 77'-0"
SCALE: NOT TO SCALE



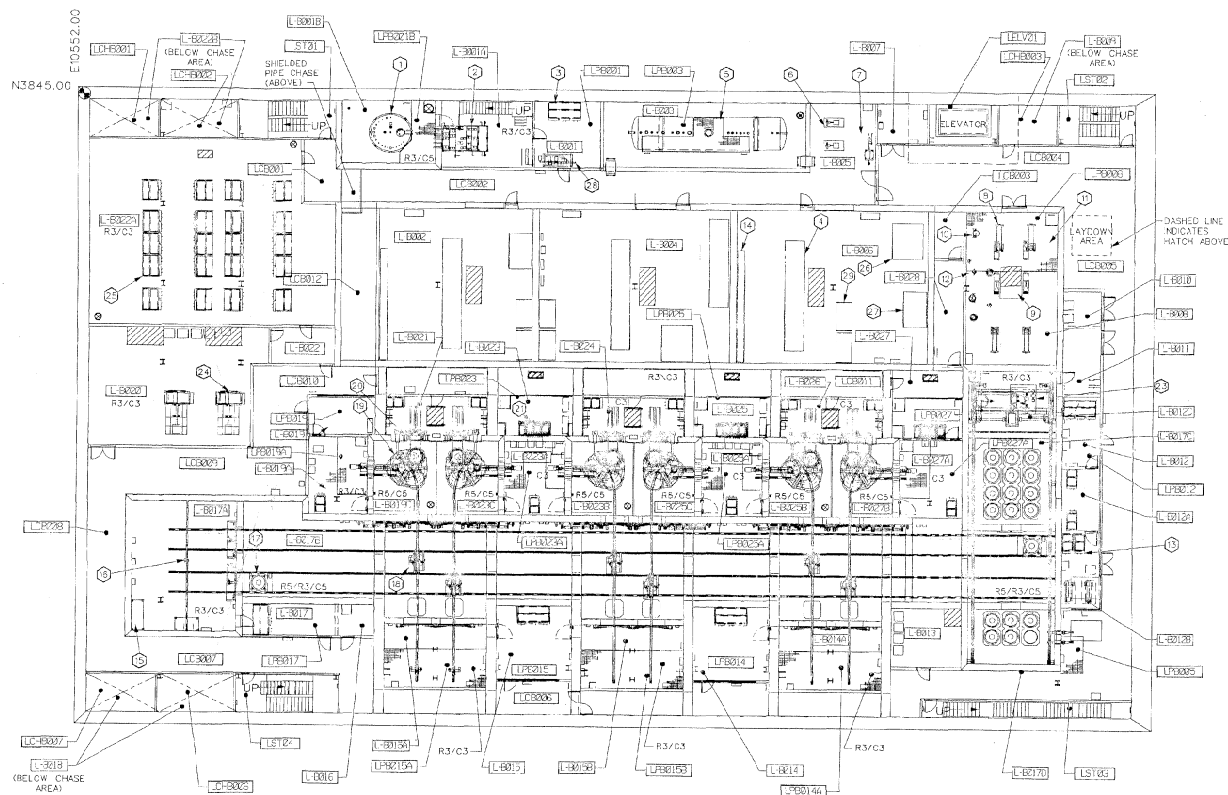
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PIN	EOP NO.	DESCRIPTION	PIN	EOP NO.	DESCRIPTION
**	0700A	C2 HEPA FILTER	**	V4305	COOLING WATER EXPANSION TANK
**	0700X	C2 HEPA FILTER	**	V4301	CHILLED WATER EXPANSION TANK
**	0704C	C2 HEPA FILTER	**	V4327	FRESH TEGOLONE TUB RESIN OVERFLOW TANK
**	0706D	C2 HEPA FILTER	**		
**	0709X	C2 HEPA FILTER	**		
**	0709Y	C2 HEPA FILTER	**		
**	K7060A	C2 EXTRACT FANS	**		
**	K7060B	C2 EXTRACT FANS	**		
**	K7060C	C2 EXTRACT FANS	**		
**	K7060L	C2 EXTRACT FANS	**		
**	K7060N	C2 EXTRACT FANS	**		
**	K7060C	C2 EXTRACT FANS	**		
**	K7060A	P/W EXTRACT FANS	**		
**	K7060B	P/W EXTRACT FANS	**		
**	K7060C	P/W EXTRACT FANS	**		
**	K7060D	P/W EXTRACT FANS	**		
**	K7060E	P/W EXTRACT FANS	**		
**	K7060F	P/W EXTRACT FANS	**		
**	M8022A	MOTOR CONTROL CENTER	**		
**	M8022B	MOTOR CONTROL CENTER	**		
**	M8022L	MOTOR CONTROL CENTER	**		
**	M8023B	MOTOR CONTROL CENTER	**		
**	34X60	OVERFLOW RECYCLE PUMP	**		
**	R7705A	C2 SUPPLY - AIR HANDLING PLANT	**		
**	R7705B	C2 SUPPLY - AIR HANDLING PLANT	**		
**	R7705C	C2 SUPPLY - AIR HANDLING PLANT	**		
**	R7705D	C2 SUPPLY - AIR HANDLING PLANT	**		
**	R7705E	C2 SUPPLY - AIR HANDLING PLANT	**		
**	4219B	FRESH TEGOLONE TUB RESIN OVERFLOW TANK	**		

SIMPLIFIED GENERAL ARRANGEMENT
PRETREATMENT - PLAN AT EL. 98'-0"
SCALE: NOT TO SCALE

Figure 4A-66 **Simplified General Arrangement**
LAW - Plan at E], -21'



ITEM NUMBERS	
ITEM	DESCRIPTION
1	305 DOWNSIDE TANK FOR WASTE
2	1000 LITER TANK FOR RAIN WATER
3	2000 LITER TANK FOR RAIN WATER
4	2000 LITER TANK FOR RAIN WATER
5	1000 LITER TANK FOR RAIN WATER
6	1000 LITER TANK FOR RAIN WATER
7	1000 LITER TANK FOR RAIN WATER
8	1000 LITER TANK FOR RAIN WATER
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17	1000 LITER TANK FOR RAIN WATER
18	1000 LITER TANK FOR RAIN WATER
19	1000 LITER TANK FOR RAIN WATER
20	1000 LITER TANK FOR RAIN WATER
21	1000 LITER TANK FOR RAIN WATER
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28	1000 LITER TANK FOR RAIN WATER
29	1000 LITER TANK FOR RAIN WATER
30	1000 LITER TANK FOR RAIN WATER

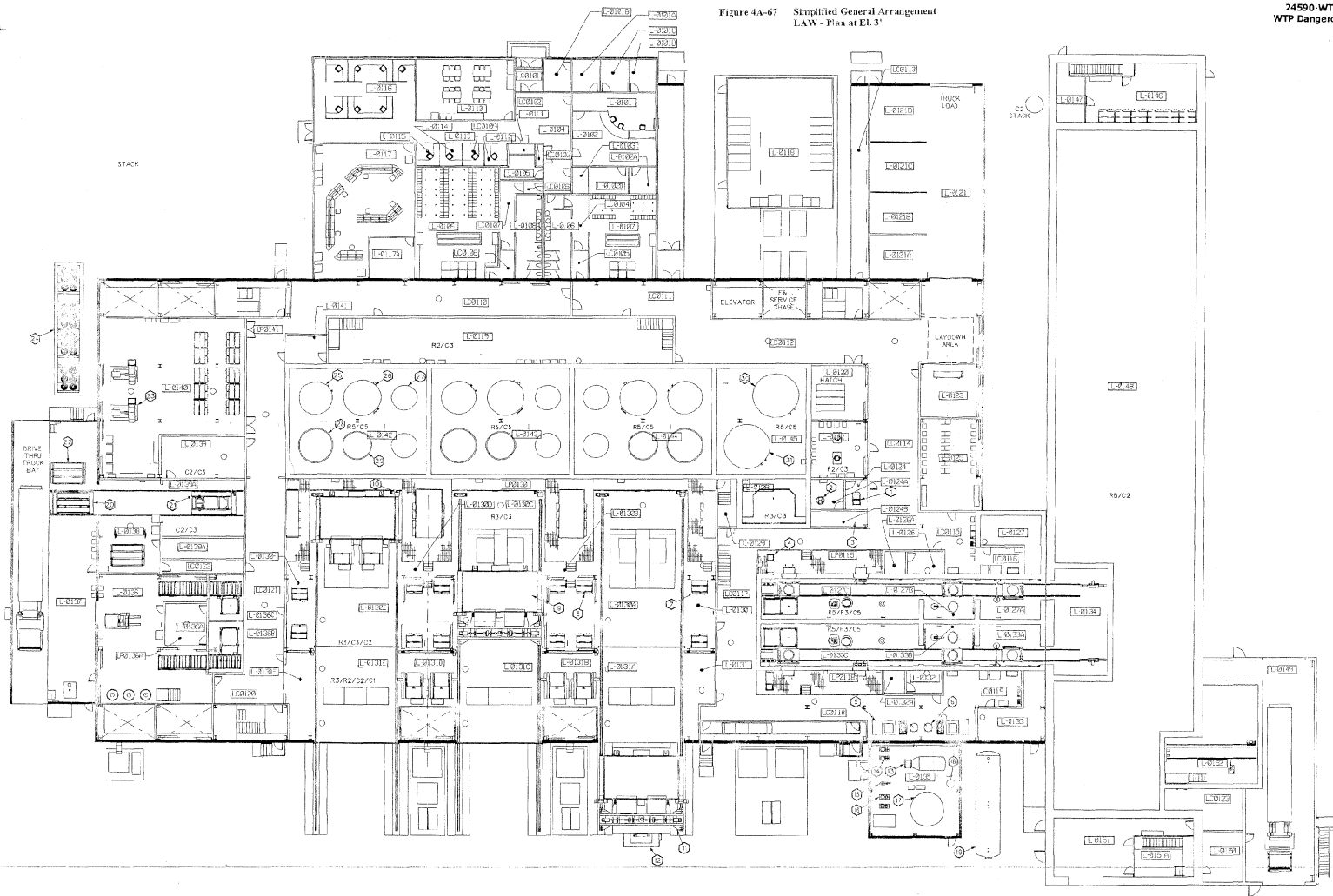
ROOM SCHEDULE						
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921	921	922</				

SIMPLIFIED GENERAL ARRANGEMENT
LAW - PLAN AT EL. -21'-0"
SCALE: NOT TO SCALE



Figure 4A-67 Simplified General Arrangement
LAW - Plan at EL.3'

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WTP Dangerous Waste Permit Application

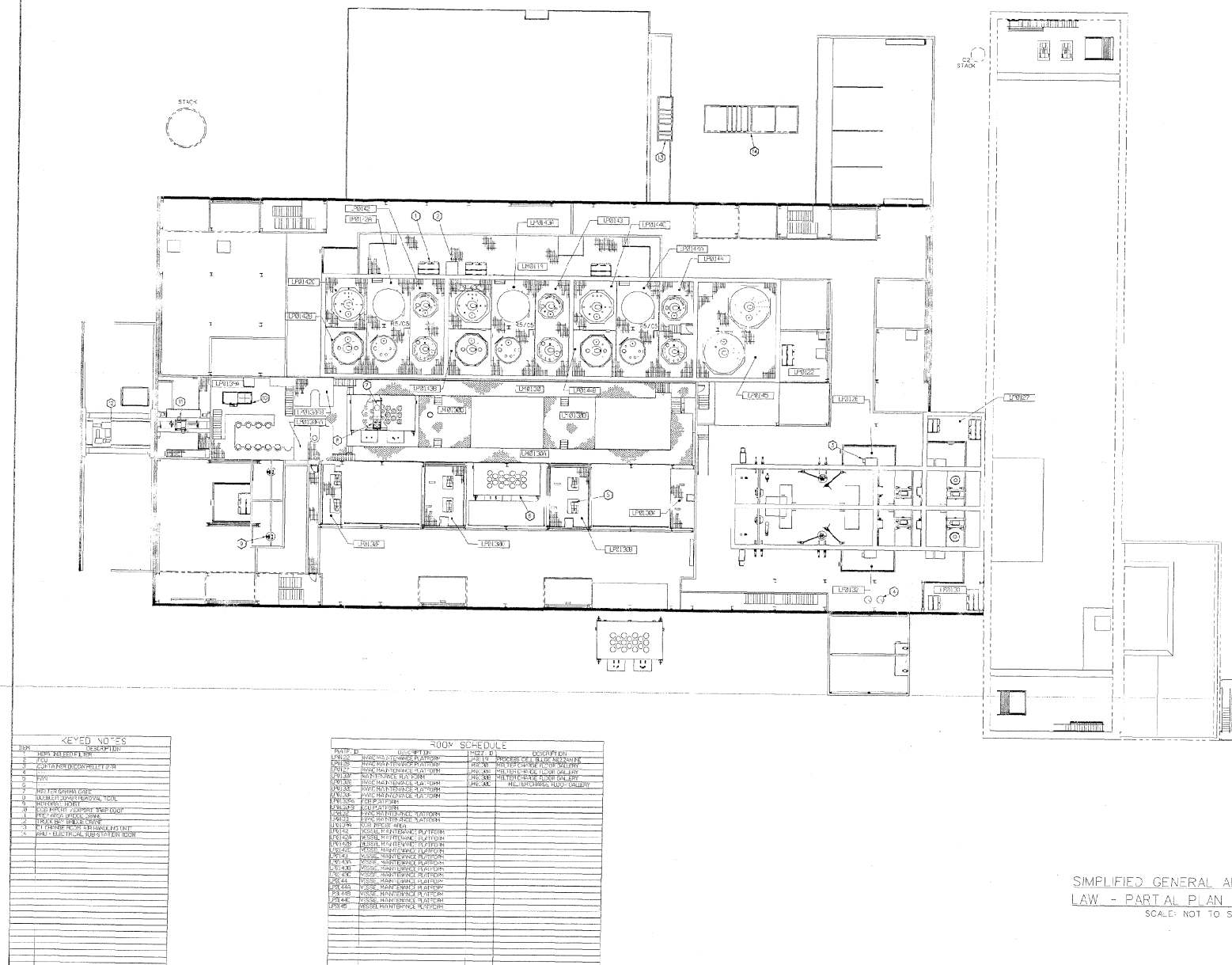


KEY NOTES		ROOM SCHEDULE	
NO.	DESCRIPTION	NO.	DESCRIPTION
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2	...	102	RECEPTION
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5	...	105	RECEPTION
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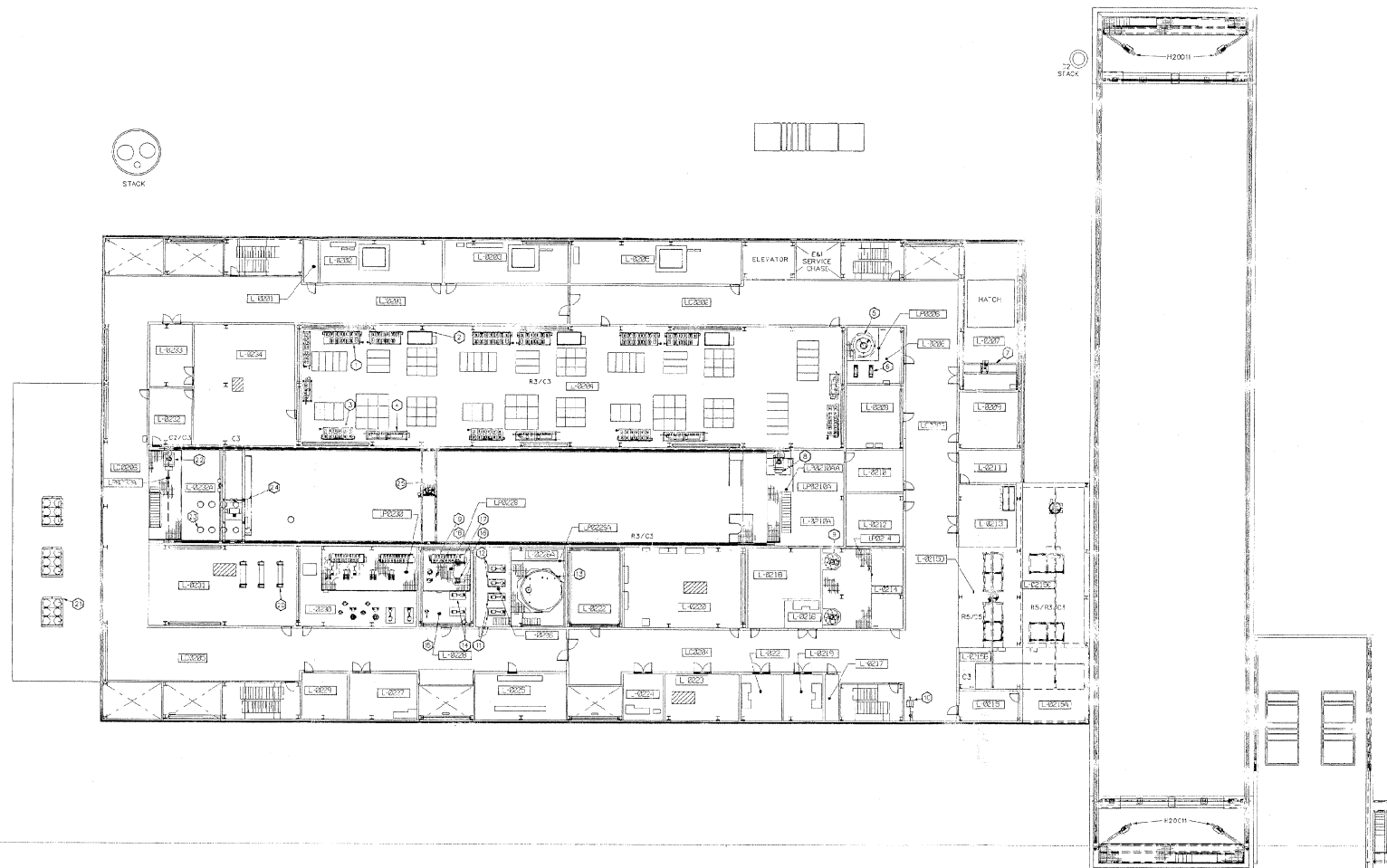
SIMPLIFIED GENERAL ARRANGEMENT
LAW - PLAN AT EL. 3'-0"
SCALE: NOT TO SCALE

Figure 4A-68 Simplified General Arrangement
LAW - Plan at El. 22

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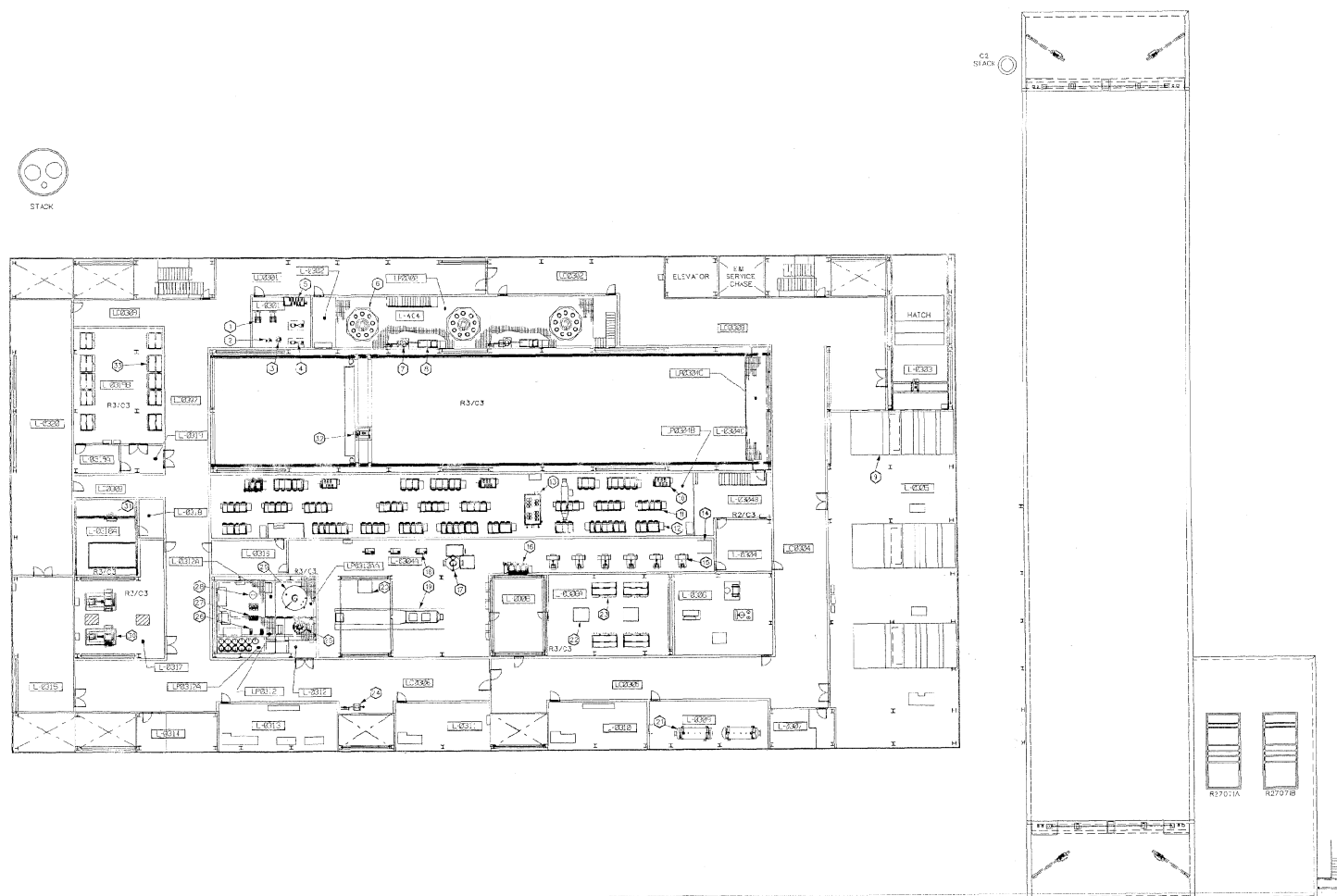


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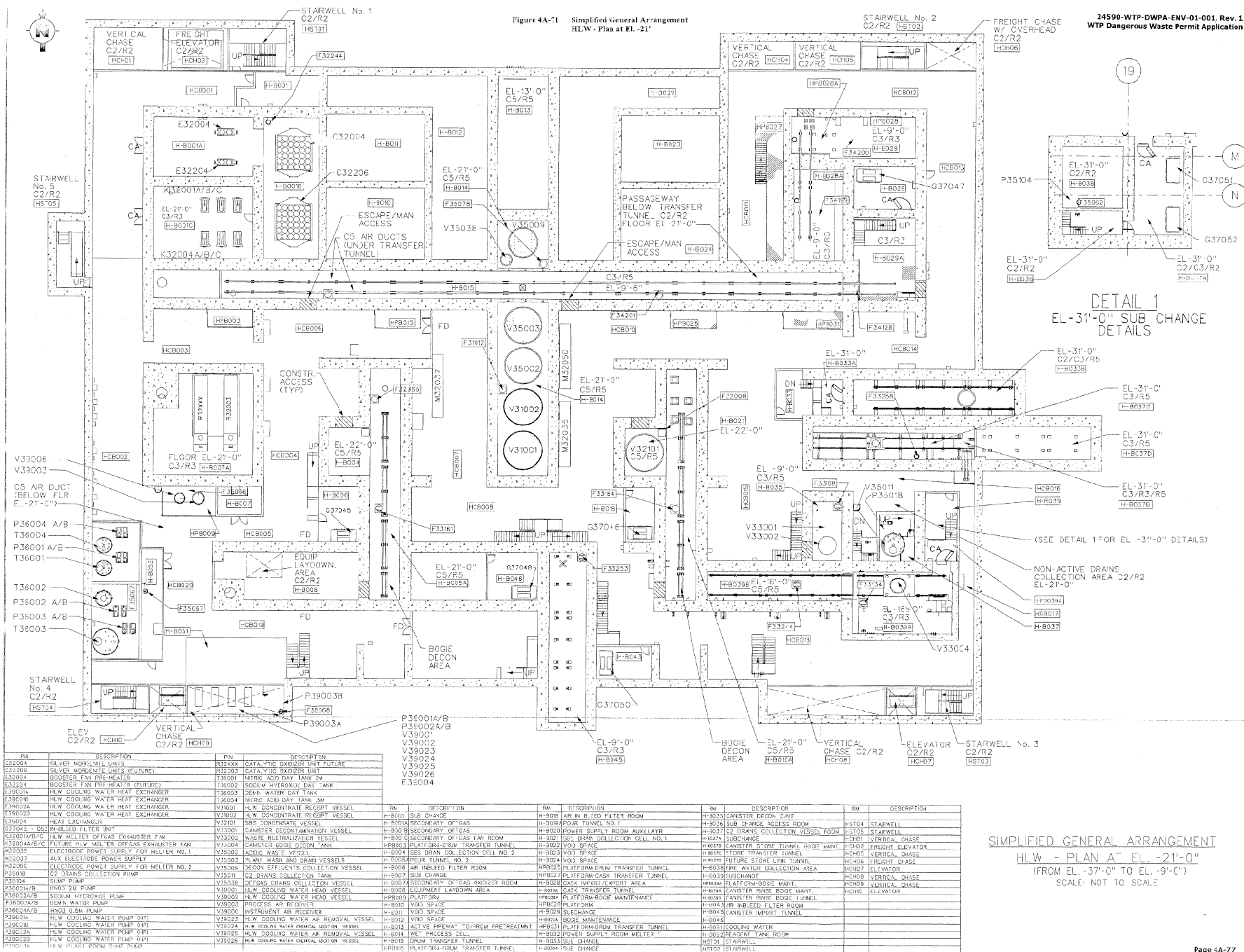
SIMPLIFIED GENERAL ARRANGEMENT
AW - PLAN AT EL. 28'-0"
SCALE: NOT TO SCALE

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WTP Dangerous Waste Permit Application

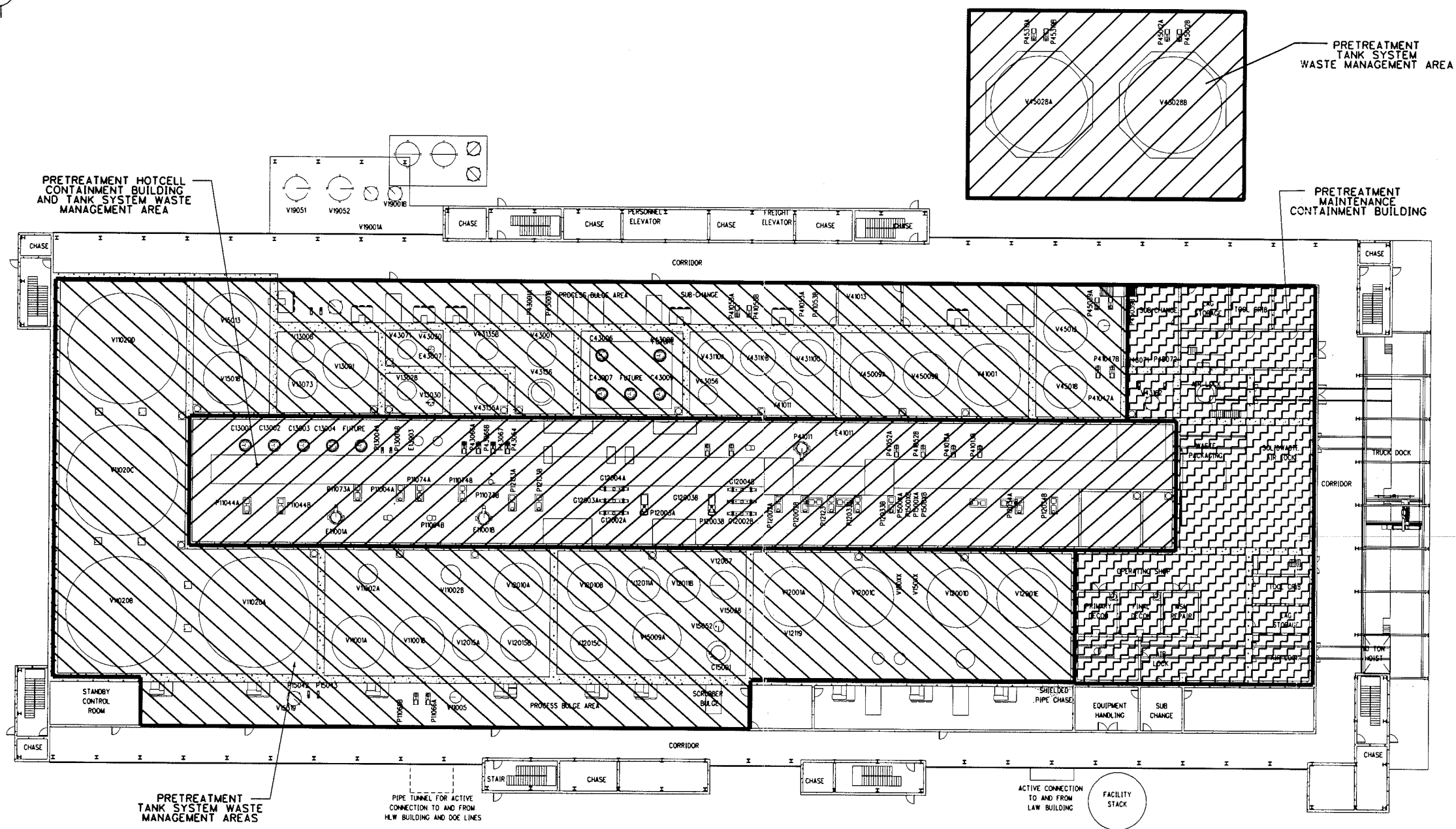
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ROOM SCHEDULE			
Room ID	Description	Room ID	Description
0001	ART 20001 TUTOR ROOM	0006	ANTHROPOLOGY TUTOR
0002	ART 20002 TUTOR ROOM	0007	BALLET ROOM
0003	ART 20003 TUTOR ROOM	0008	BALLET ROOM
0004	ART 20004 TUTOR ROOM	0009	BALLET ROOM
0005	ART 20005 TUTOR ROOM	0010	BALLET ROOM
0006	ART 20006 TUTOR ROOM	0011	BALLET ROOM
0007	ART 20007 TUTOR ROOM	0012	BALLET ROOM
0008	ART 20008 TUTOR ROOM	0013	BALLET ROOM
0009	ART 20009 TUTOR ROOM	0014	BALLET ROOM
0010	ART 20010 TUTOR ROOM	0015	BALLET ROOM
0011	ART 20011 TUTOR ROOM	0016	BALLET ROOM
0012	ART 20012 TUTOR ROOM	0017	BALLET ROOM
0013	ART 20013 TUTOR ROOM	0018	BALLET ROOM
0014	ART 20014 TUTOR ROOM	0019	BALLET ROOM
0015	ART 20015 TUTOR ROOM	0020	BALLET ROOM
0016	ART 20016 TUTOR ROOM	0021	BALLET ROOM
0017	ART 20017 TUTOR ROOM	0022	BALLET ROOM
0018	ART 20018 TUTOR ROOM	0023	BALLET ROOM
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0022	ART 20022 TUTOR ROOM	0027	BALLET ROOM
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0076	ART 20076 TUTOR ROOM	0081	BALLET ROOM
0077	ART 20077 TUTOR ROOM	0082	BALLET ROOM
0078	ART 20078 TUTOR ROOM	0083	BALLET ROOM
0079	ART 20079 TUTOR ROOM	0084	BALLET ROOM
0080	ART 20080 TUTOR ROOM	0085	BALLET ROOM
0081	ART 20081 TUTOR ROOM	0086	BALLET ROOM
0082	ART 20082 TUTOR ROOM	0087	BALLET ROOM
0083	ART 20083 TUTOR ROOM	0088	BALLET ROOM
0084	ART 20084 TUTOR ROOM	0089	BALLET ROOM
0085	ART 20085 TUTOR ROOM	0090	BALLET ROOM
0086	ART 20086 TUTOR ROOM	0091	BALLET ROOM
0087	ART 20087 TUTOR ROOM	0092	BALLET ROOM
0088	ART 20088 TUTOR ROOM	0093	BALLET ROOM
0089	ART 20089 TUTOR ROOM	0094	BALLET ROOM
0090	ART 20090 TUTOR ROOM	0095	BALLET ROOM
0091	ART 20091 TUTOR ROOM	0096	BALLET ROOM
0092	ART 20092 TUTOR ROOM	0097	BALLET ROOM
0093	ART 20093 TUTOR ROOM	0098	BALLET ROOM
0094	ART 20094 TUTOR ROOM	0099	BALLET ROOM
0095	ART 20095 TUTOR ROOM	0100	BALLET ROOM
0096	ART 20096 TUTOR ROOM	0101	BALLET ROOM
0097	ART 20097 TUTOR ROOM	0102	BALLET ROOM
0098	ART 20098 TUTOR ROOM	0103	BALLET ROOM
0099	ART 20099 TUTOR ROOM	0104	BALLET ROOM
0100	ART 20100 TUTOR ROOM	0105	BALLET ROOM

SIMPLIFIED GENERAL ARRANGEMENT
LAW - PLAN AT EL. 43'-0"
SCALE: NOT TO SCALE



SIMPLIFIED GENERAL ARRANGEMENT
HLW - PLAN A - EL. -21'-0"
(FROM EL. -37'-0" TO EL. -9'-0")
SCALE: NOT TO SCALE



PIN	DESCRIPTION	PIN	DESCRIPTION	PIN	DESCRIPTION	PIN	DESCRIPTION
C13001	CESIUM ION EXCHANGE COLUMN	P11073A	WASTE FEED EVAPORATOR FEED PUMP	P41055B	TREATED LAW TRANSFER PUMP	V12001D	LAG STORAGE VESSEL
C13002	CESIUM ION EXCHANGE COLUMN	P11073B	WASTE FEED EVAPORATOR FEED PUMP	P43001A	TREATED LAW TRANSFER PUMP	V12001E	LAG STORAGE VESSEL
C13003	CESIUM ION EXCHANGE COLUMN	P11074A	WASTE CONCENTRATE TAKE-OFF PUMP	P43001B	TREATED LAW TRANSFER PUMP	V12007	HLW FEED BLENDING VESSEL
C13004	CESIUM ION EXCHANGE COLUMN	P11074B	WASTE CONCENTRATE TAKE-OFF PUMP	P43064	RESIN FLUSH TRANSFER PUMP	V12010A	EVAPORATOR CONCENTRATE BUFFER VESSEL
C15001	VESEL VENT SCRUBBER	P12002A	HLW FEED XFER PUMP	P43066A	RESIN TRANSFER PUMP	V12010B	EVAPORATOR CONCENTRATE BUFFER VESSEL
C43006	TECHNETIUM ION EXCHANGE COLUMN	P12002B	HLW FEED XFER PUMP	P43066B	RESIN TRANSFER PUMP	V12011A	ULTRAFILTRATION FEED VESSEL
C43007	TECHNETIUM ION EXCHANGE COLUMN	P12003A	LAW ULTRAFILTRATION FEED PUMP	P43067	RESIN RECYCLE TRANSFER PUMP	V12011B	ULTRAFILTRATION FEED VESSEL
C43008	TECHNETIUM ION EXCHANGE COLUMN	P12003B	LAW ULTRAFILTRATION FEED PUMP	P45012A	PROCESS CONDENSATE XFER PUMP	V12015A	LAW PERMEATE HOLD VESSEL
C43009	TECHNETIUM ION EXCHANGE COLUMN	P12033A	SR/TRU LAG STORAGE XFER PUMP	P45012B	PROCESS CONDENSATE XFER PUMP	V12015B	LAW PERMEATE HOLD VESSEL
E11001A	LAW FEED EVAPORATOR REBOILER	P12033B	SR/TRU LAG STORAGE XFER PUMP	P45039A	ALKALINE EFFLUENT PUMP	V12015C	LAW PERMEATE HOLD VESSEL
E11001B	LAW FEED EVAPORATOR REBOILER	P12034A	TRANSFER PUMP	P45039B	ALKALINE EFFLUENT PUMP	V13001	LAW FEED VESSEL
E41011	TREATED LAW EVAPORATOR REBOILER	P12034B	TRANSFER PUMP	P45319A	PROCESS CONDENSATE XFER PUMP	V13008	CAUSTIC RINSE COLLECTION VESSEL
		P12123	EVELOPE D REJECT & FLUSH PUMP	P45319B	PROCESS CONDENSATE XFER PUMP	V13028	RECOVERED NITRIC ACID VESSEL
		P13004A	LAW FEED PUMP	P48071	CANISTER DEWATERING VACUUM PUMP	V13030	CS CONCENTRATE LUTE POT
		P13004B	LAW FEED PUMP	P48072	CANISTER GROSS DEWATERING DIAPHRAM PUMP	V13073	ELUATE CONTINGENCY STORAGE VESSEL
G12002A	ULTRA FILTER	P15042	FLOOR DRAINS DISCHARGE PUMP	V11001A	EVAPORATOR FEED VESSEL	V15009A	PLANT WASH VESSEL
G12002B	ULTRA FILTER	P15043	FLOOR DRAINS DISCHARGE PUMP	V11001B	EVAPORATOR FEED VESSEL	V15013	ACIDIC EFFLUENT VESSEL
G12003A	ULTRA FILTER	P41011	EVAPORATOR RECIRCULATION PUMP	V11002A	WASTE FEED EVAPORATOR SEPARATOR VESSEL	V15018	CONTAMINATED EFFLUENT VESSEL
G12003B	ULTRA FILTER	P41013A	CONCENTRATE TRANSFER PUMP	V11002B	WASTE FEED EVAPORATOR SEPARATOR VESSEL	V15038	CONDENSATE COLLECTION VESSEL
G12004A	ULTRA FILTER	P41013B	CONCENTRATE TRANSFER PUMP	V11005	LAW FEED EVAP PROCESS CONDENSATE POT	V15052	VESEL VENT HEADER COLLECTION VESSEL
G12004B	ULTRA FILTER	P41047A	CONDENSATE TRANSFER PUMP	V11020A	WASTE FEED RECEIPT VESSEL	V15319	C3 FLOOR DRAINS VESSEL
P11004A	LAW FEED EVAPORATOR RECIRCULATION PUMP	P41047B	CONDENSATE TRANSFER PUMP	V11020B	WASTE FEED RECEIPT VESSEL	V19001A	INSTRUMENT AIR RECEIVER
P11004B	LAW FEED EVAPORATOR RECIRCULATION PUMP	P41052A	PLANT WASH TRANSFER PUMP	V11020C	WASTE FEED RECEIPT VESSEL	V19001B	INSTRUMENT AIR RECEIVER
P11044A	REJECT LAW FEED XFER PUMP	P41052B	PLANT WASH TRANSFER PUMP	V11020D	WASTE FEED RECEIPT VESSEL	V19051	PROCESS AIR RECEIVER
P11044B	REJECT LAW FEED XFER PUMP	P41053A	TREATED LAW CONCENTRATE TAKE-OFF PUMP	V12001A	SR/TRU LAG STORAGE VESSEL	V19052	PROCESS AIR RECEIVER
P11066A	LAW FEED EVAPORATOR CONDENSATE XFER PUMP	P41053B	TREATED LAW CONCENTRATE TAKE-OFF PUMP	V12001C	SR/TRU LAG STORAGE VESSEL	V41001	LAW BUFFER VESSEL
P11066B	LAW FEED EVAPORATOR CONDENSATE XFER PUMP	P41055A	TREATED LAW TRANSFER PUMP				

WASTE MANAGEMENT AREAS
PRETREATMENT - PLAN AT EL. 0'-0"
SCALE: NOT TO SCALE

Figure 4A-78

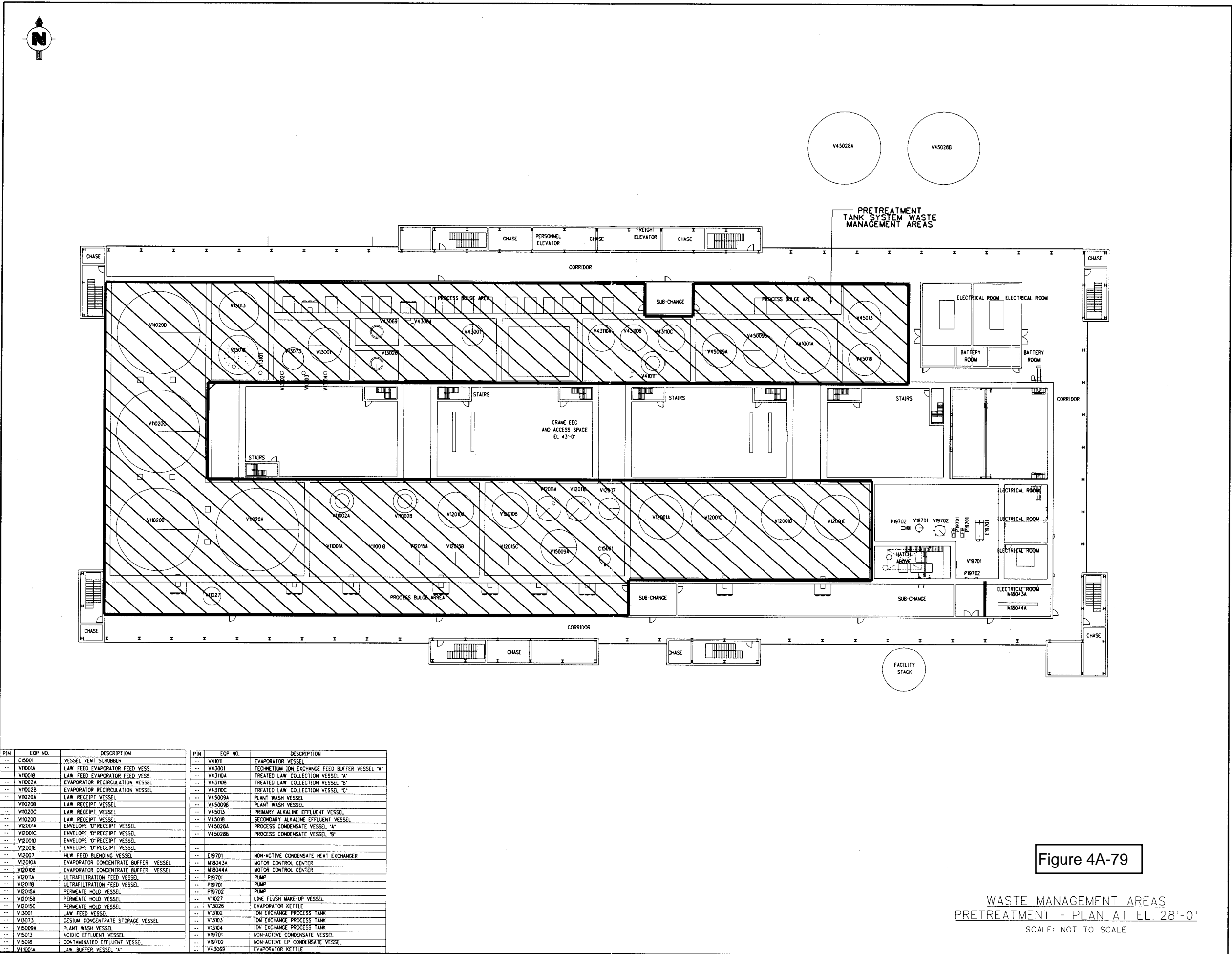
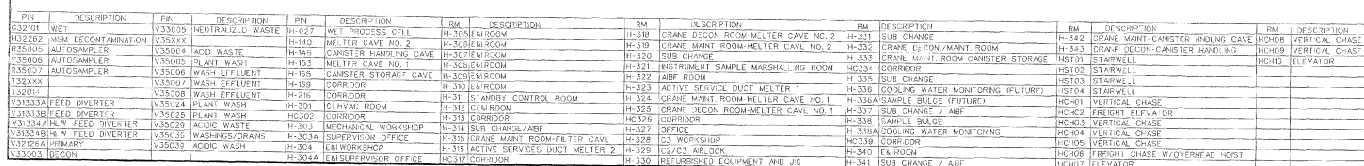


Figure 4A-79

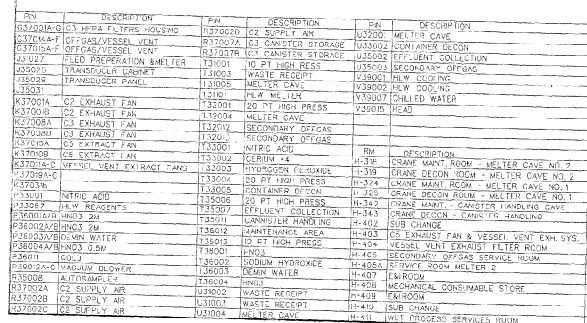
WASTE MANAGEMENT AREAS
PRETREATMENT - PLAN AT EL. 28'-0"
SCALE: NOT TO SCALE

24590-WTP-DWPA-ENV-01-001, Rev. 1
WTP Dangerous Waste Permit Application



SIMPLIFIED GENERAL ARRANGEMENT
 PLW - PLAN AT EL. 30'-0"
 (FROM EL. 16'-0" TO EL. 36'-0")
 SCALE: NOT TO SCALE

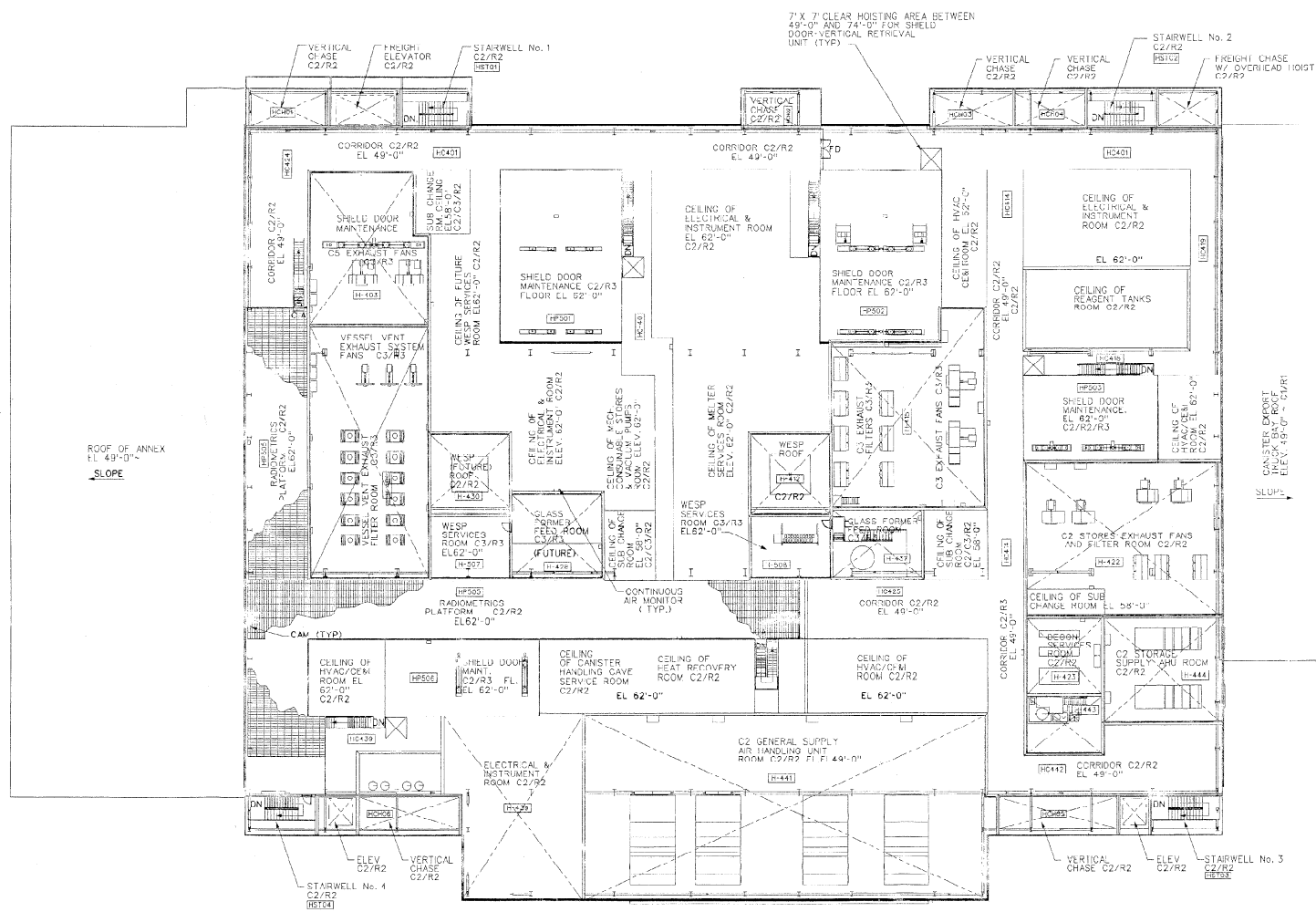
24590-WTP-DWPA-ENV-01-001, Rev. 1
WTP Dangerous Waste Permit Application



	RY	DESCRIPTION	RY	DESCRIPTION	RY	DESCRIPTION
A-142	WSP BLDG. ROOM	M-430	WSP HLL OF ROOM (FUTURE)	M-770	STAIRWELL	
A-143	HVAC BLDG. ROOM	M-431	VACUUM PUMP ROOM	M-780	STAIRWELL	
A-144	OS POWER & SERVICES ROOM	M-432	FLSH CHANG	M-790	STAIRWELL	
A-145	ENCL ROOM	M-433	GAS-LINK HANDLING GAIR SERVICE ROOM	M-800	STAIRWELL	
A-146	ENCL ROOM	M-434	WASH RECOVERY ROOM	M-810	VERTICAL CHASE	
A-147	ENCL ROOM	M-435	HULLS CENTER ROOM	M-820	VERTICAL CHASE	
A-148	HVAC SEM ROOM	M-436	ISIRI CHANG	M-830	VERTICAL CHASE	
A-149	ISIRI CHANG	M-437	GLASS FORMER FIELD ROOM - HALL T 1	M-840	VERTICAL CHASE	
A-150	ISIRI CHASE	M-438	GLASS FORMER FIELD TANK ROOM	M-850	VERTICAL CHASE	
A-151	ISIRI CHASE	M-439	GLASS FORMER FIELD TANK ROOM	M-860	VERTICAL CHASE	
A-152	ISIRI CHASE	M-440	ISIRI CHASE	M-870	VERTICAL CHASE	
A-153	DECON SERVICES ROOM	M-441	OS GENERATOR SUPPLY HLL ROOM	M-880	VERTICAL CHASE	
A-154	DECON SERVICES ROOM	M-442	CANISTER ROOM (FUTURE'S ROOM)	M-890	VERTICAL CHASE	
A-155	DECON SERVICES ROOM	M-443	OS STORAGE SUPPLY HLL ROOM	M-900	VERTICAL CHASE	
A-156	DECON SERVICES ROOM	M-444	OS STORAGE SUPPLY HLL ROOM	M-910	VERTICAL CHASE	
A-157	DECON SERVICES ROOM	M-445	OS STORAGE SUPPLY HLL ROOM	M-920	VERTICAL CHASE	
A-158	DECON SERVICES ROOM	M-446	OS STORAGE SUPPLY HLL ROOM	M-930	VERTICAL CHASE	
A-159	DECON SERVICES ROOM	M-447	OS STORAGE SUPPLY HLL ROOM	M-940	VERTICAL CHASE	
A-160	DECON SERVICES ROOM	M-448	OS STORAGE SUPPLY HLL ROOM	M-950	VERTICAL CHASE	
A-161	DECON SERVICES ROOM	M-449	OS STORAGE SUPPLY HLL ROOM	M-960	VERTICAL CHASE	
A-162	DECON SERVICES ROOM	M-450	OS STORAGE SUPPLY HLL ROOM	M-970	VERTICAL CHASE	
A-163	DECON SERVICES ROOM	M-451	OS STORAGE SUPPLY HLL ROOM	M-980	VERTICAL CHASE	
A-164	DECON SERVICES ROOM	M-452	OS STORAGE SUPPLY HLL ROOM	M-990	VERTICAL CHASE	
A-165	DECON SERVICES ROOM	M-453	OS STORAGE SUPPLY HLL ROOM	M-1000	VERTICAL CHASE	

SIMPLIFIED GENERAL ARRANGEMENT
H.L.W. - PLAN AT EL. 49'-0"
(FROM EL. 36'-0" TO EL. 54'-0")
SCALE: NOT TO SCALE

24590-WTP-DWPA-ENV-01-001, Rev. 1
WTP Dangerous Waste Permit Application



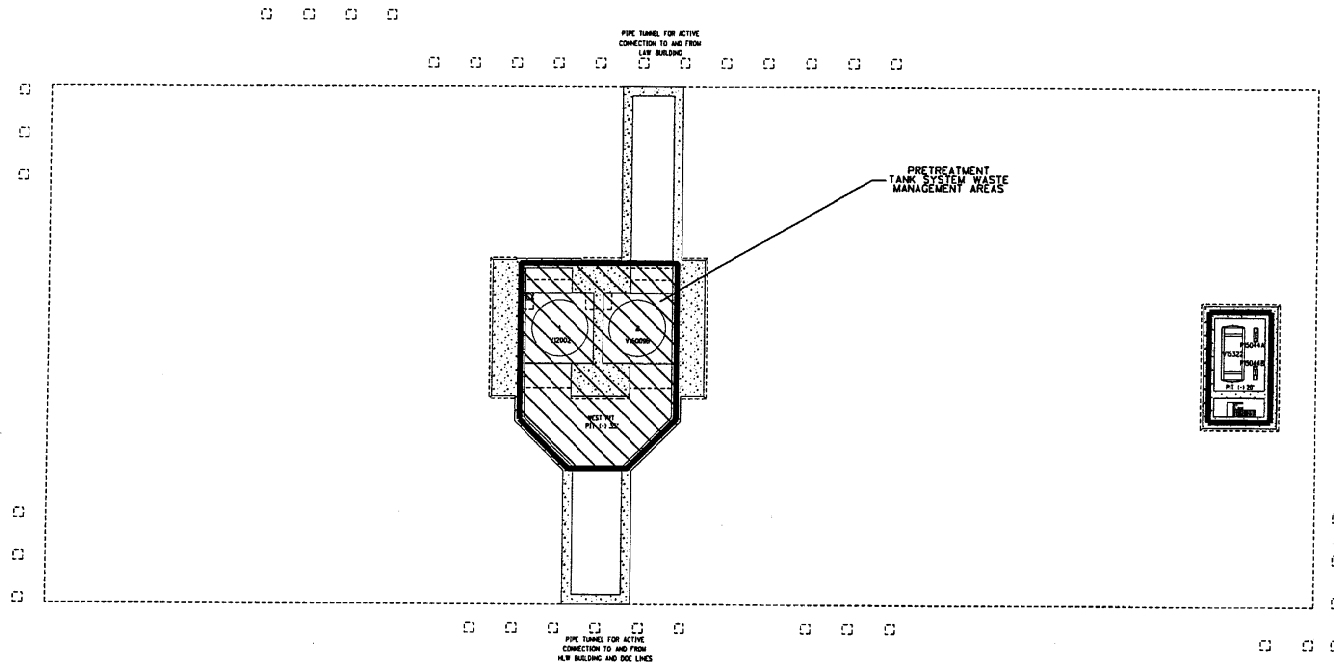
IRM	LOCATION	IRM	DESCRIPTION
403	EXHAUST FAN & VESSEL VENT CRUI. DYE	H001	VERTICAL CHASE
404A	VESSEL VENT EXHAUST FILTER ROOM	H002	VERTICAL CHASE
404B	WESP BULK ROOM	H003	VERTICAL CHASE
405	EXHAUST FILTERS ROOM	H004	VERTICAL CHASE
406	222 BULK ROOM	H005	VERTICAL CHASE
407	WESP SERVICES ROOM	H006	VERTICAL CHASE
407A	GLASS FORMER FEED ROOM (FILLING)		
408	WESP BULK ROOM		
409	GLASS FORMER FEED ROOM MELTER 1		
410A	CULMING WATER HEAD TANK ROOM		
411	CS GASES SUPPLY AIR ROOM		
443	CAMBER DECON RECEIVENTS ROOM		
444	CS GASES SUPPLY AIR		
450	SHIELD DOOR MAIN AREA		
TP002	SHIELD DOOR MAIN AREA		
TP003	SHIELD DOOR MAIN AREA		
TP006	ROOMMATHOS PLATFORM		
TP008	SHIELD DOOR MAIN AREA		
P-507	WESP SERVICES ROOM (FUTURE)		
P-508	WESP SERVICES ROOM		
ST001	STARWALK		
ST002	STARWALK		
ST003	STARWALK		

SIMPLIFIED GENERAL ARRANGEMENT
HLW - PLAN AT EL. 62'-0"
(FROM EL. 54'-0" TO EL. 66'-0")
SCALE: NOT TO SCALE



Figure 4A-77 Waste Management Areas
Pretreatment - Plan at El. -41'

DOE/RL-2001-64



WASTE MANAGEMENT AREAS
PRETREATMENT - PLAN AT EL. (-)41'-0"
SCALE: NOT TO SCALE

PN	EQ. NO.	DESCRIPTION
1	Y0000	NEW ACID TITRANT HOLD VESSEL
2	Y00000	PLUG WASH VESSEL
3	Y0322	FINE WATER COLLECTION VESSEL
4	PD0444	FINE WATER COLLECTION TANK DISCHARGE PUMP
5	PD0445	FINE WATER COLLECTION TANK DISCHARGE PUMP



DOE/RL-2001-64

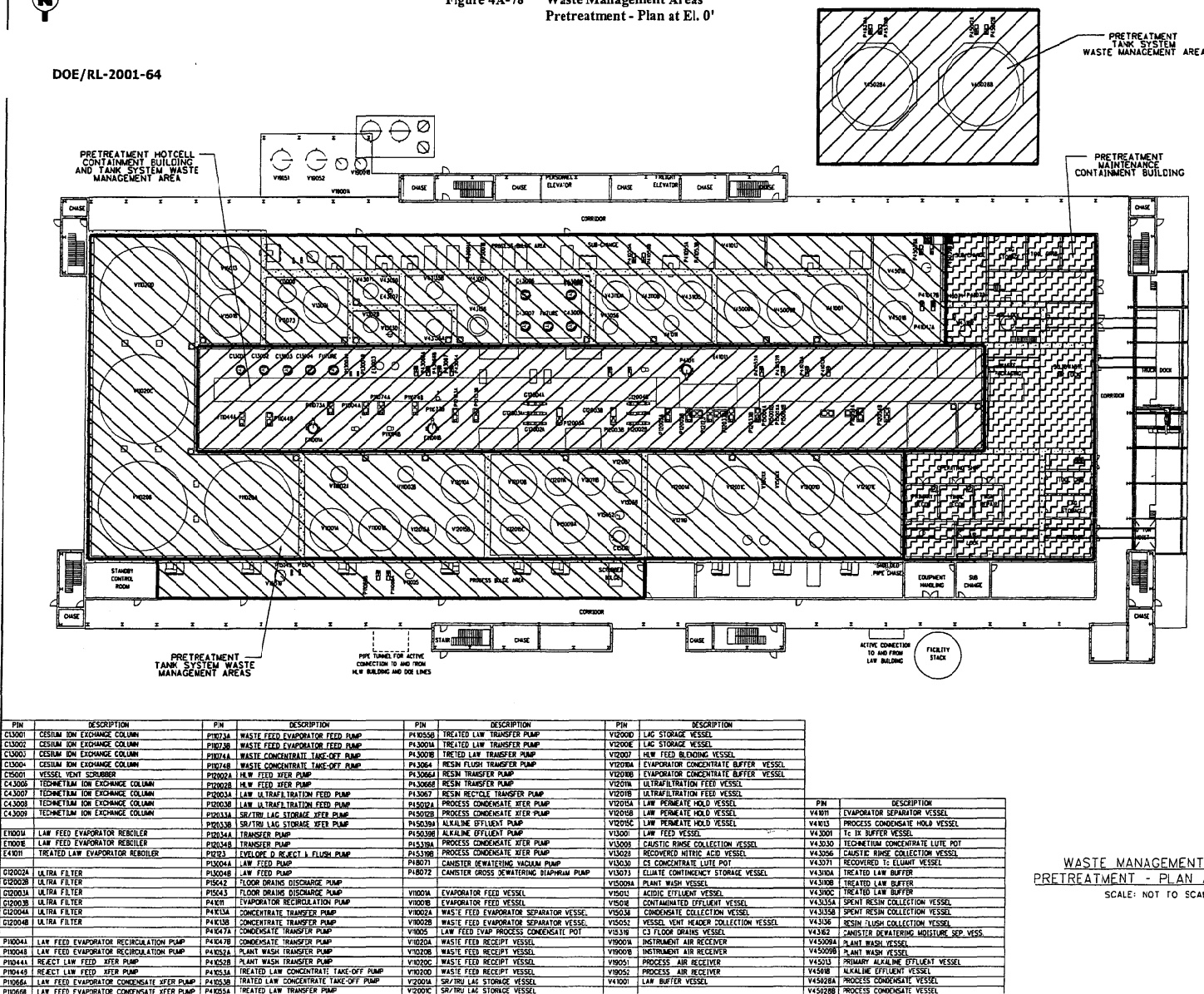
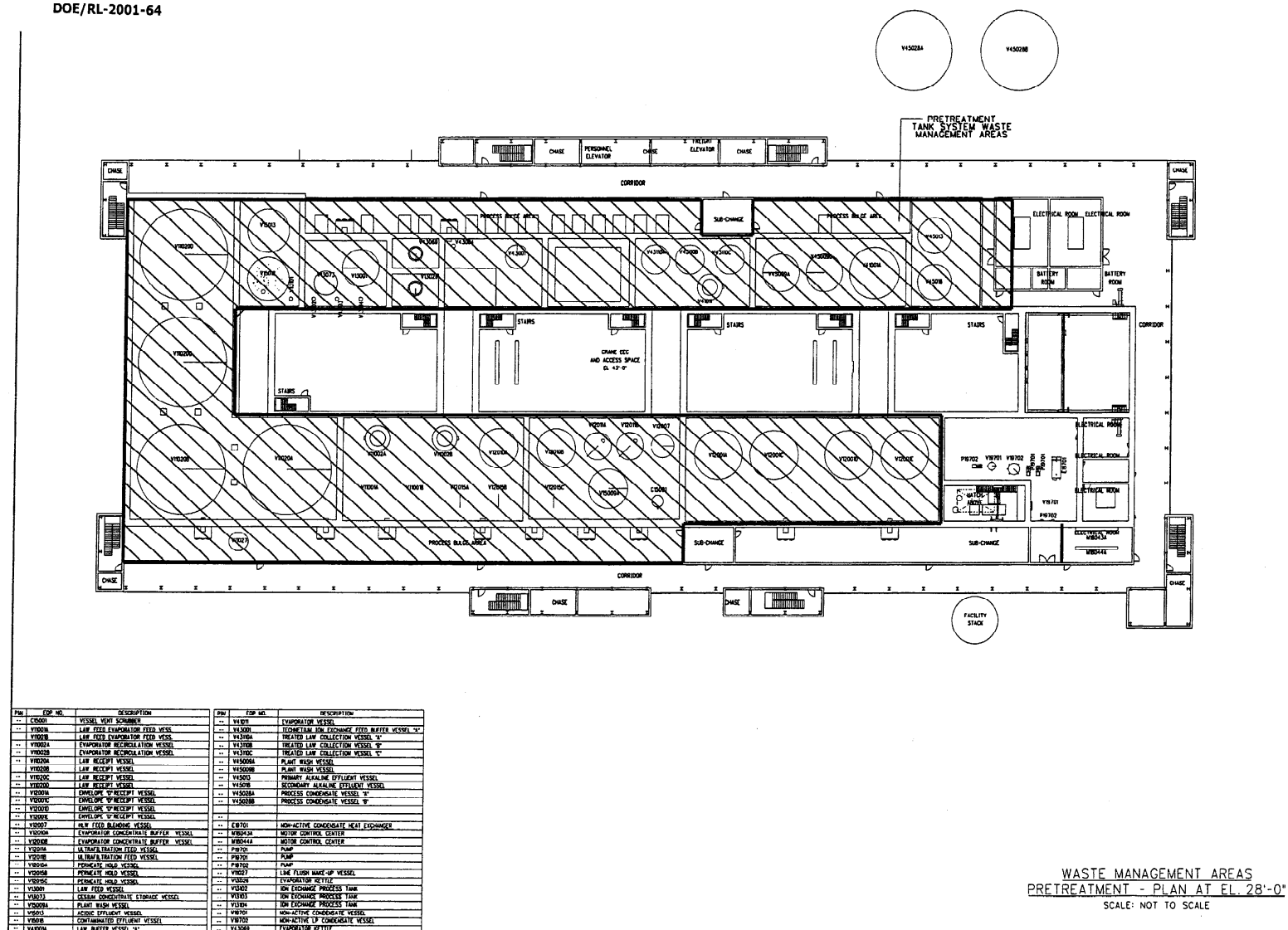


Figure 4A-79 Waste Management Areas
Pretreatment - Plan at El. 28'

DOE/RL-2001-64



PRETREATMENT AIR FILTRATION CONTAINMENT BUILDING

The floor plan illustrates the layout of the Air Filtration Containment Building, featuring several key areas:

- Process Bldg:** Located in the upper left and lower left, containing various process units and equipment.
- Instrumentation/Racks/Cabinets:** Situated in the upper right, housing control systems and monitoring equipment.
- Vessel Vents & Extract Filters:** Located in the center-right, used for air filtration and extraction.
- Cooling Water Plant & Chilled Water Plant:** Positioned in the center, responsible for temperature control.
- Air Filtration Units:** Located in the lower right, used for air purification.
- Corridors & Stairs:** Provide access throughout the building.
- Maintenance Areas:** Designated for equipment repair and safety.

The plan includes numerous labels for specific equipment and rooms, such as V1000, V1001, V1002, V1003, V1004, V1005, V1006, V1007, V1008, V1009, V1010, V1011, V1012, V1013, V1014, V1015, V1016, V1017, V1018, V1019, V1020, V1021, V1022, V1023, V1024, V1025, V1026, V1027, V1028, V1029, V1030, V1031, V1032, V1033, V1034, V1035, V1036, V1037, V1038, V1039, V1040, V1041, V1042, V1043, V1044, V1045, V1046, V1047, V1048, V1049, V1050, V1051, V1052, V1053, V1054, V1055, V1056, V1057, V1058, V1059, V1060, V1061, V1062, V1063, V1064, V1065, V1066, V1067, V1068, V1069, V1070, V1071, V1072, V1073, V1074, V1075, V1076, V1077, V1078, V1079, V1080, V1081, V1082, V1083, V1084, V1085, V1086, V1087, V1088, V1089, V1090, V1091, V1092, V1093, V1094, V1095, V1096, V1097, V1098, V1099, V1100, V1101, V1102, V1103, V1104, V1105, V1106, V1107, V1108, V1109, V1110, V1111, V1112, V1113, V1114, V1115, V1116, V1117, V1118, V1119, V1120, V1121, V1122, V1123, V1124, V1125, V1126, V1127, V1128, V1129, V1130, V1131, V1132, V1133, V1134, V1135, V1136, V1137, V1138, V1139, V1140, V1141, V1142, V1143, V1144, V1145, V1146, V1147, V1148, V1149, V1150, V1151, V1152, V1153, V1154, V1155, V1156, V1157, V1158, V1159, V1160, V1161, V1162, V1163, V1164, V1165, V1166, V1167, V1168, V1169, V1170, V1171, V1172, V1173, V1174, V1175, V1176, V1177, V1178, V1179, V1180, V1181, V1182, V1183, V1184, V1185, V1186, V1187, V1188, V1189, V1190, V1191, V1192, V1193, V1194, V1195, V1196, V1197, V1198, V1199, V1200, V1201, V1202, V1203, V1204, V1205, V1206, V1207, V1208, V1209, V1210, V1211, V1212, V1213, V1214, V1215, V1216, V1217, V1218, V1219, V1220, V1221, V1222, V1223, V1224, V1225, V1226, V1227, V1228, V1229, V1230, V1231, V1232, V1233, V1234, V1235, V1236, V1237, V1238, V1239, V1240, V1241, V1242, V1243, V1244, V1245, V1246, V1247, V1248, V1249, V1250, V1251, V1252, V1253, V1254, V1255, V1256, V1257, V1258, V1259, V1260, V1261, V1262, V1263, V1264, V1265, V1266, V1267, V1268, V1269, V1270, V1271, V1272, V1273, V1274, V1275, V1276, V1277, V1278, V1279, V1280, V1281, V1282, V1283, V1284, V1285, V1286, V1287, V1288, V1289, V1290, V1291, V1292, V1293, V1294, V1295, V1296, V1297, V1298, V1299, V1300, V1301, V1302, V1303, V1304, V1305, V1306, V1307, V1308, V1309, V1310, V1311, V1312, V1313, V1314, V1315, V1316, V1317, V1318, V1319, V1320, V1321, V1322, V1323, V1324, V1325, V1326, V1327, V1328, V1329, V1330, V1331, V1332, V1333, V1334, V1335, V1336, V1337, V1338, V1339, V1340, V1341, V1342, V1343, V1344, V1345, V1346, V1347, V1348, V1349, V1350, V1351, V1352, V1353, V1354, V1355, V1356, V1357, V1358, V1359, V1360, V1361, V1362, V1363, V1364, V1365, V1366, V1367, V1368, V1369, V1370, V1371, V1372, V1373, V1374, V1375, V1376, V1377, V1378, V1379, V1380, V1381, V1382, V1383, V1384, V1385, V1386, V1387, V1388, V1389, V1390, V1391, V1392, V1393, V1394, V1395, V1396, V1397, V1398, V1399, V1400, V1401, V1402, V1403, V1404, V1405, V1406, V1407, V1408, V1409, V1410, V1411, V1412, V1413, V1414, V1415, V1416, V1417, V1418, V1419, V1420, V1421, V1422, V1423, V1424, V1425, V1426, V1427, V1428, V1429, V1430, V1431, V1432, V1433, V1434, V1435, V1436, V1437, V1438, V1439, V1440, V1441, V1442, V1443, V1444, V1445, V1446, V1447, V1448, V1449, V1450, V1451, V1452, V1453, V1454, V1455, V1456, V1457, V1458, V1459, V1460, V1461, V1462, V1463, V1464, V1465, V1466, V1467, V1468, V1469, V1470, V1471, V1472, V1473, V1474, V1475, V1476, V1477, V1478, V1479, V1480, V1481, V1482, V1483, V1484, V1485, V1486, V1487, V1488, V1489, V1490, V1491, V1492, V1493, V1494, V1495, V1496, V1497, V1498, V1499, V1500, V1501, V1502, V1503, V1504, V1505, V1506, V1507, V1508, V1509, V1510, V1511, V1512, V1513, V1514, V1515, V1516, V1517, V1518, V1519, V1520, V1521, V1522, V1523, V1524, V1525, V1526, V1527, V1528, V1529, V1530, V1531, V1532, V1533, V1534, V1535, V1536, V1537, V1538, V1539, V1540, V1541, V1542, V1543, V1544, V1545, V1546, V1547, V1548, V1549, V1550, V1551, V1552, V1553, V1554, V1555, V1556, V1557, V1558, V1559, V1560, V1561, V1562, V1563, V1564, V1565, V1566, V1567, V1568, V1569, V1570, V1571, V1572, V1573, V1574, V1575, V1576, V1577, V1578, V1579, V1580, V1581, V1582, V1583, V1584, V1585, V1586, V1587, V1588, V1589, V1590, V1591, V1592, V1593, V1594, V1595, V1596, V1597, V1598, V1599, V1600, V1601, V1602, V1603, V1604, V1605, V1606, V1607, V1608, V1609, V1610, V1611, V1612, V1613, V1614, V1615, V1616, V1617, V1618, V1619, V1620, V1621, V1622, V1623, V1624, V

[illegible]

WASTE MANAGEMENT AREAS
PRETREATMENT - PLAN AT EL. 56'-0"
SCALE: NOT TO SCALE

FIN	EXP NO.	DESCRIPTION	FIN	EXP NO.	DESCRIPTION	FIN	EXP NO.	DESCRIPTION	FIN	EXP NO.	DESCRIPTION
---	C1001	OVERHEAD RECIPER CONDENSER	---	C1000	PAW EXTRACT - SECONDARY HEPA FILTER	---	E0002	CS EXTRACT FAN	---	---	---
---	C1002	RECIPROCATOR	---	C1006	PAW EXTRACT - SECONDARY HEPA FILTER	---	E0004	VESSAL VENT EXTRACT FAN	---	---	---
---	C1003	TECHNICAL WASH AIR CONDENSER	---	C1007	PAW EXTRACT - SECONDARY HEPA FILTER	---	E0005	VESSAL VENT EXTRACT FAN	---	---	---
---	C1006	RECIPROCATOR	---	C1008	PAW PHILLED HEPA FILTER	---	E0006	VESSAL VENT EXTRACT FAN	---	---	---
---	C1007	SWITCHGAS UNIT	---	C1009	PAW PHILLED HEPA FILTER	---	E0008	4800 SWITCHGAS UNIT	---	---	---
---	C1008	SWAP	---	C1010	PAW PHILLED HEPA FILTER	---	E0009	4800 SWITCHGAS UNIT	---	---	---
---	C1009	SWAP	---	C1011	OUTLET FILTER, HOT AIR	---	E0010	4800 SWITCHGAS UNIT	---	---	---
---	C1010	SWAP	---	C1012	INSTRUMENT BOX	---	E0011	4800 SWITCHGAS UNIT	---	---	---
---	C1011	CS EXTRACT HEPA FILTER	---	C1013	INSTRUMENT BOX	---	E0012	4800 SWITCHGAS UNIT	---	---	---
---	C1012	CS EXTRACT HEPA FILTER	---	C1014	INSTRUMENT BOX	---	E0013	4800 SWITCHGAS UNIT	---	---	---
---	C1013	CS EXTRACT HEPA FILTER	---	C1015	INSTRUMENT BOX	---	E0014	4800 SWITCHGAS UNIT	---	---	---
---	C1014	CS EXTRACT HEPA FILTER	---	C1016	INSTRUMENT BOX	---	E0015	4800 SWITCHGAS UNIT	---	---	---
---	C1015	CS EXTRACT HEPA FILTER	---	C1017	INSTRUMENT BOX	---	E0016	4800 SWITCHGAS UNIT	---	---	---
---	C1016	CS EXTRACT HEPA FILTER	---	C1018	INSTRUMENT BOX	---	E0017	4800 SWITCHGAS UNIT	---	---	---
---	C1017	CS EXTRACT HEPA FILTER	---	C1019	INSTRUMENT BOX	---	E0018	4800 SWITCHGAS UNIT	---	---	---
---	C1018	CS EXTRACT HEPA FILTER	---	C1020	INSTRUMENT BOX	---	E0019	4800 SWITCHGAS UNIT	---	---	---
---	C1019	CS EXTRACT HEPA FILTER	---	C1021	INSTRUMENT BOX	---	E0020	4800 SWITCHGAS UNIT	---	---	---
---	C1020	CS EXTRACT HEPA FILTER	---	C1022	INSTRUMENT BOX	---	E0021	4800 SWITCHGAS UNIT	---	---	---
---	C1021	CS EXTRACT HEPA FILTER	---	C1023	INSTRUMENT BOX	---	E0022	4800 SWITCHGAS UNIT	---	---	---
---	C1022	CS EXTRACT HEPA FILTER	---	C1024	INSTRUMENT BOX	---	E0023	4800 SWITCHGAS UNIT	---	---	---
---	C1023	CS EXTRACT - SECONDARY HEPA FILTER	---	C1025	INSTRUMENT BOX	---	E0024	4800 SWITCHGAS UNIT	---	---	---
---	C1024	CS EXTRACT - SECONDARY HEPA FILTER	---	C1026	INSTRUMENT BOX	---	E0025	4800 SWITCHGAS UNIT	---	---	---
---	C1025	CS EXTRACT - SECONDARY HEPA FILTER	---	C1027	INSTRUMENT BOX	---	E0026	4800 SWITCHGAS UNIT	---	---	---
---	C1026	CS EXTRACT - SECONDARY HEPA FILTER	---	C1028	INSTRUMENT BOX	---	E0027	4800 SWITCHGAS UNIT	---	---	---
---	C1027	CS EXTRACT - SECONDARY HEPA FILTER	---	C1029	INSTRUMENT BOX	---	E0028	4800 SWITCHGAS UNIT	---	---	---
---	C1028	CS EXTRACT - SECONDARY HEPA FILTER	---	C1030	INSTRUMENT BOX	---	E0029	4800 SWITCHGAS UNIT	---	---	---
---	C1029	CS EXTRACT - SECONDARY HEPA FILTER	---	C1031	INSTRUMENT BOX	---	E0030	4800 SWITCHGAS UNIT	---	---	---
---	C1030	CS EXTRACT - SECONDARY HEPA FILTER	---	C1032	INSTRUMENT BOX	---	E0031	4800 SWITCHGAS UNIT	---	---	---
---	C1031	CS EXTRACT - SECONDARY HEPA FILTER	---	C1033	INSTRUMENT BOX	---	E0032	4800 SWITCHGAS UNIT	---	---	---
---	C1032	CS EXTRACT - SECONDARY HEPA FILTER	---	C1034	INSTRUMENT BOX	---	E0033	4800 SWITCHGAS UNIT	---	---	---
---	C1033	CS EXTRACT - SECONDARY HEPA FILTER	---	C1035	INSTRUMENT BOX	---	E0034	4800 SWITCHGAS UNIT	---	---	---
---	C1034	CS EXTRACT - SECONDARY HEPA FILTER	---	C1036	INSTRUMENT BOX	---	E0035	4800 SWITCHGAS UNIT	---	---	---
---	C1035	CS EXTRACT - SECONDARY HEPA FILTER	---	C1037	INSTRUMENT BOX	---	E0036	4800 SWITCHGAS UNIT	---	---	---
---	C1036	CS EXTRACT - SECONDARY HEPA FILTER	---	C1038	INSTRUMENT BOX	---	E0037	4800 SWITCHGAS UNIT	---	---	---
---	C1037	CS EXTRACT - SECONDARY HEPA FILTER	---	C1039	INSTRUMENT BOX	---	E0038	4800 SWITCHGAS UNIT	---	---	---
---	C1038	CS EXTRACT - SECONDARY HEPA FILTER	---	C1040	INSTRUMENT BOX	---	E0039	4800 SWITCHGAS UNIT	---	---	---
---	C1039	CS EXTRACT - SECONDARY HEPA FILTER	---	C1041	INSTRUMENT BOX	---	E0040	4800 SWITCHGAS UNIT	---	---	---
---	C1040	PAW EXTRACT - SECONDARY HEPA FILTER	---	C1042	INSTRUMENT BOX	---	E0041	4800 SWITCHGAS UNIT	---	---	---
---	C1041	PAW EXTRACT - SECONDARY HEPA FILTER	---	C1043	INSTRUMENT BOX	---	E0042	4800 SWITCHGAS UNIT	---	---	---
---	C1042	PAW EXTRACT -	---	C1044	INSTRUMENT BOX	---	E0043	4800 SWITCHGAS UNIT	---	---	---

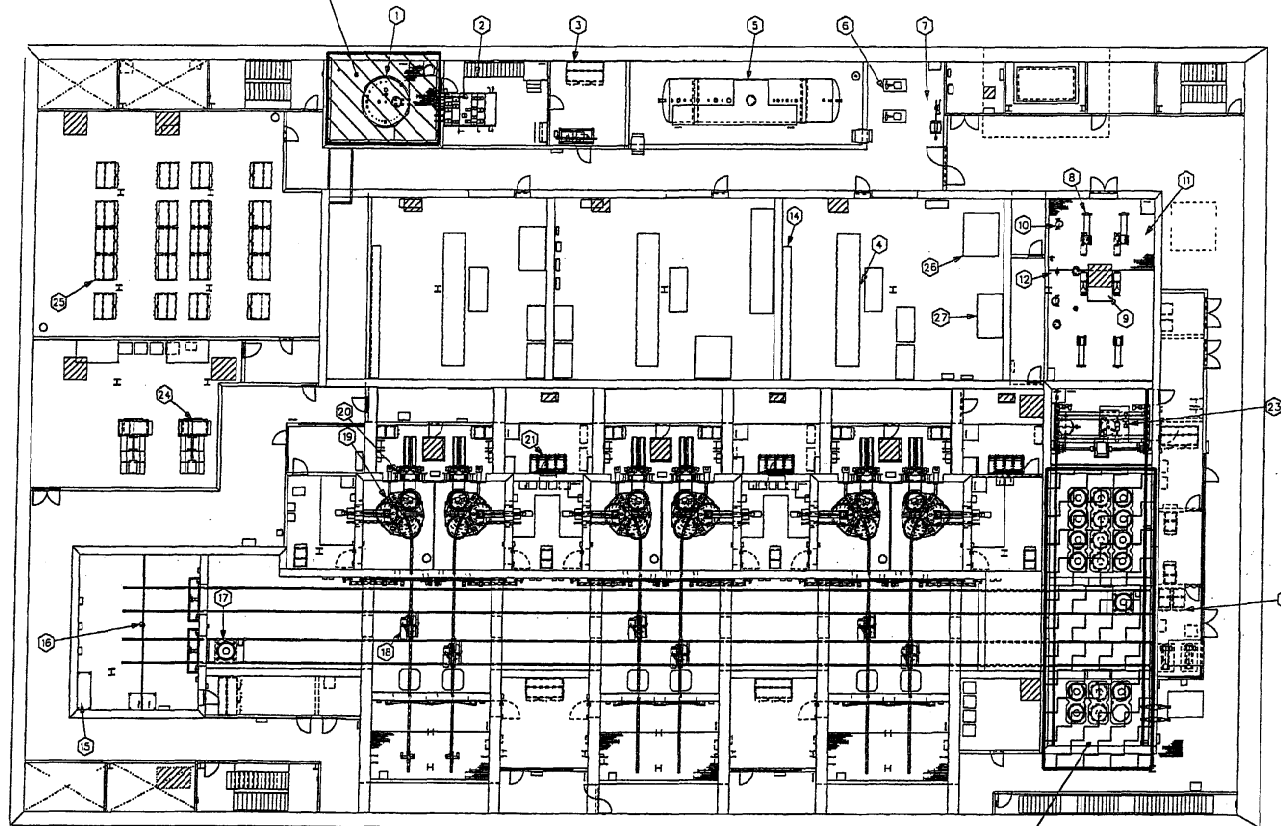
WASTE MANAGEMENT AREAS
PRETREATMENT - PLAN AT EL. 77'-0"
SCALE: NOT TO SCALE



LAW VITRIFICATION PLANT
TANK SYSTEM
WASTE MANAGEMENT AREA

Figure 4A-82 Waste Management Areas LAW
- Plan at El. -21'

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LAW BUFFER-
CONTAINER STORAGE AREA

WASTE MANAGEMENT AREAS
LAW - PLAN AT EL. -21'-0"
SCALE: NOT TO SCALE

NO.	DESCRIPTION
1	WASTE MANAGEMENT AREA
2	WASTE MANAGEMENT AREA
3	WASTE MANAGEMENT AREA
4	WASTE MANAGEMENT AREA
5	WASTE MANAGEMENT AREA
6	WASTE MANAGEMENT AREA
7	WASTE MANAGEMENT AREA
8	WASTE MANAGEMENT AREA
9	WASTE MANAGEMENT AREA
10	WASTE MANAGEMENT AREA
11	WASTE MANAGEMENT AREA
12	WASTE MANAGEMENT AREA
13	WASTE MANAGEMENT AREA
14	WASTE MANAGEMENT AREA
15	WASTE MANAGEMENT AREA
16	WASTE MANAGEMENT AREA
17	WASTE MANAGEMENT AREA
18	WASTE MANAGEMENT AREA
19	WASTE MANAGEMENT AREA
20	WASTE MANAGEMENT AREA
21	WASTE MANAGEMENT AREA
22	WASTE MANAGEMENT AREA
23	WASTE MANAGEMENT AREA
24	WASTE MANAGEMENT AREA
25	WASTE MANAGEMENT AREA
26	WASTE MANAGEMENT AREA
27	WASTE MANAGEMENT AREA
28	WASTE MANAGEMENT AREA

Figure 4A-83 Waste Management Areas LAW
- Plan at El. 3'

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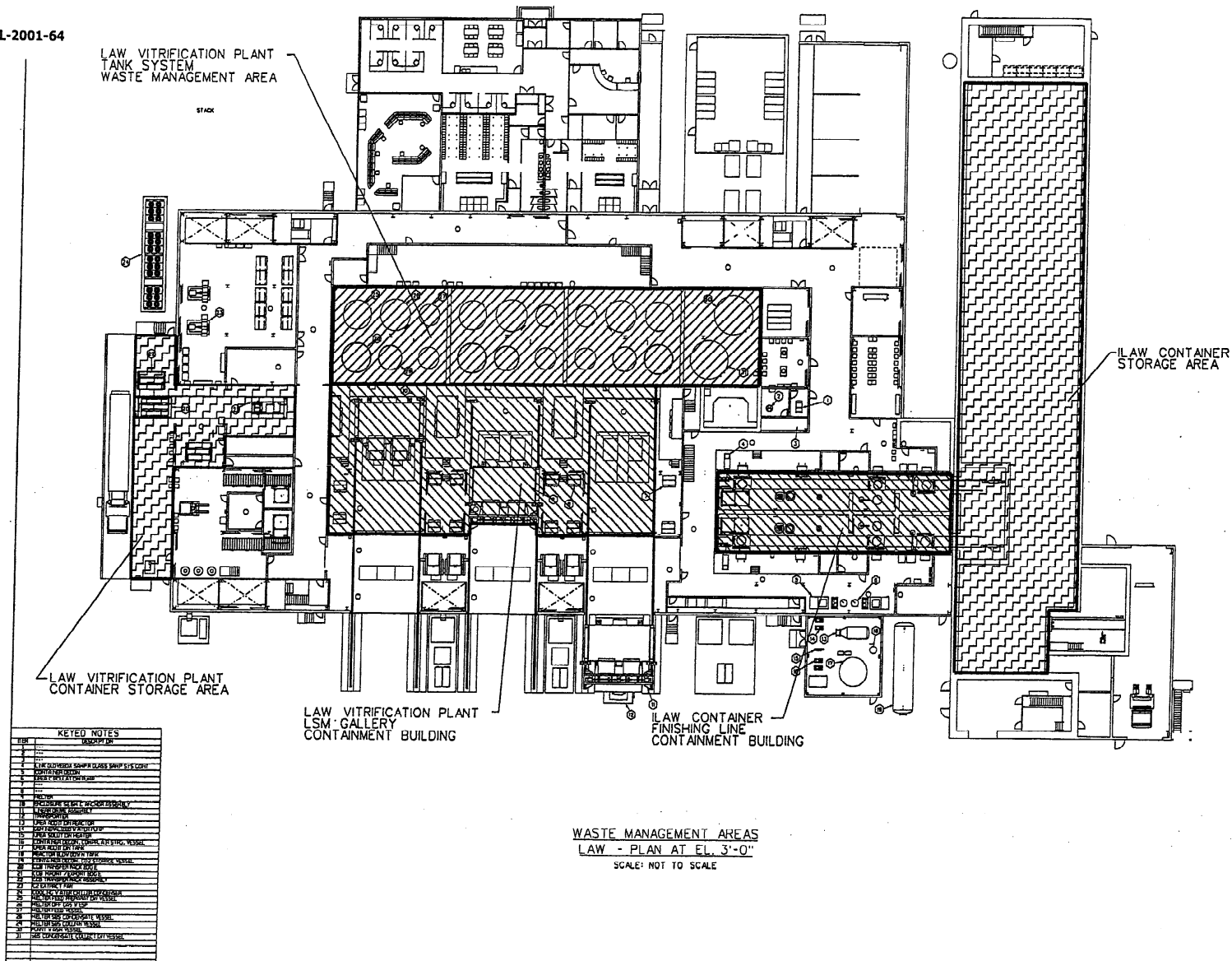
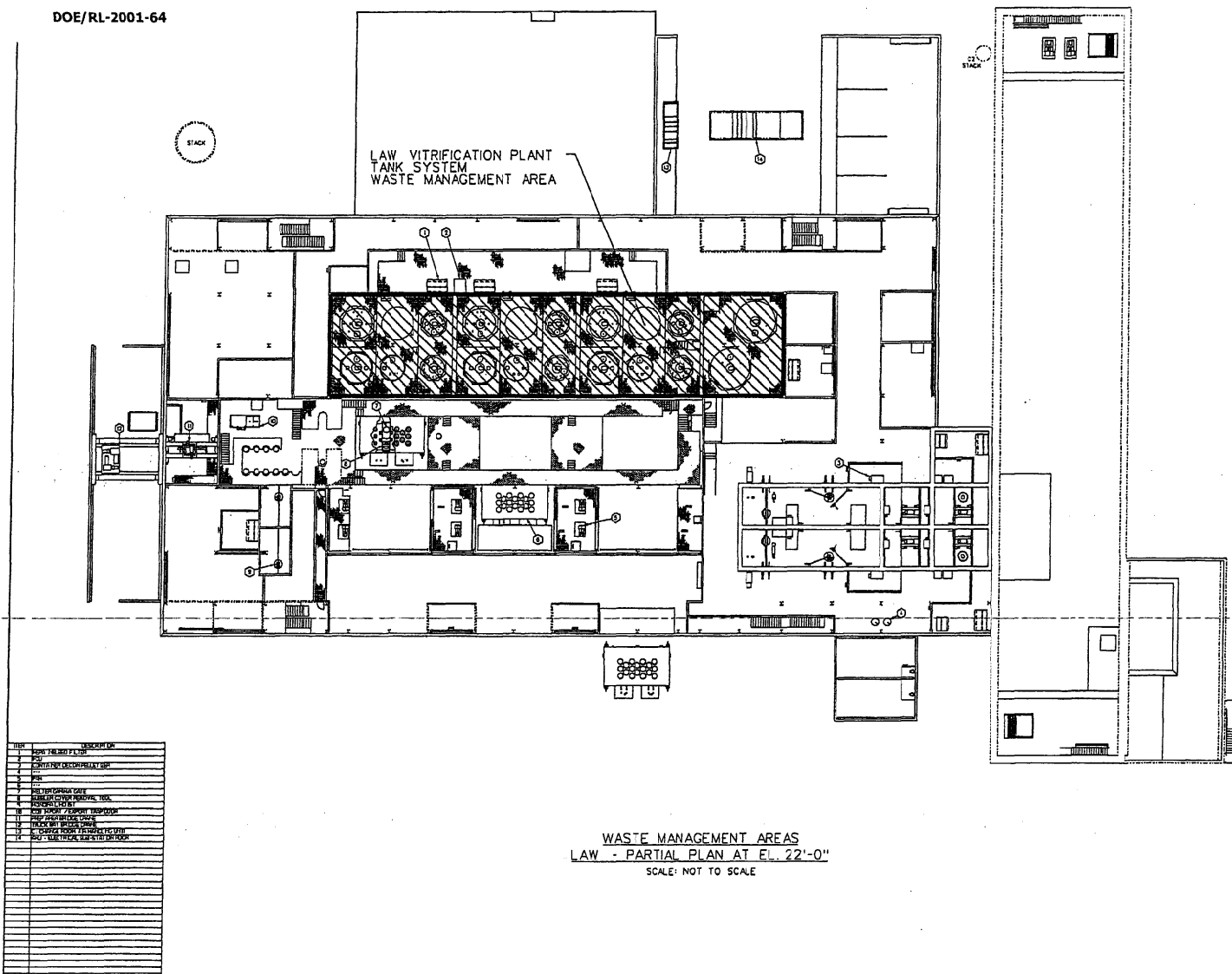
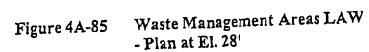


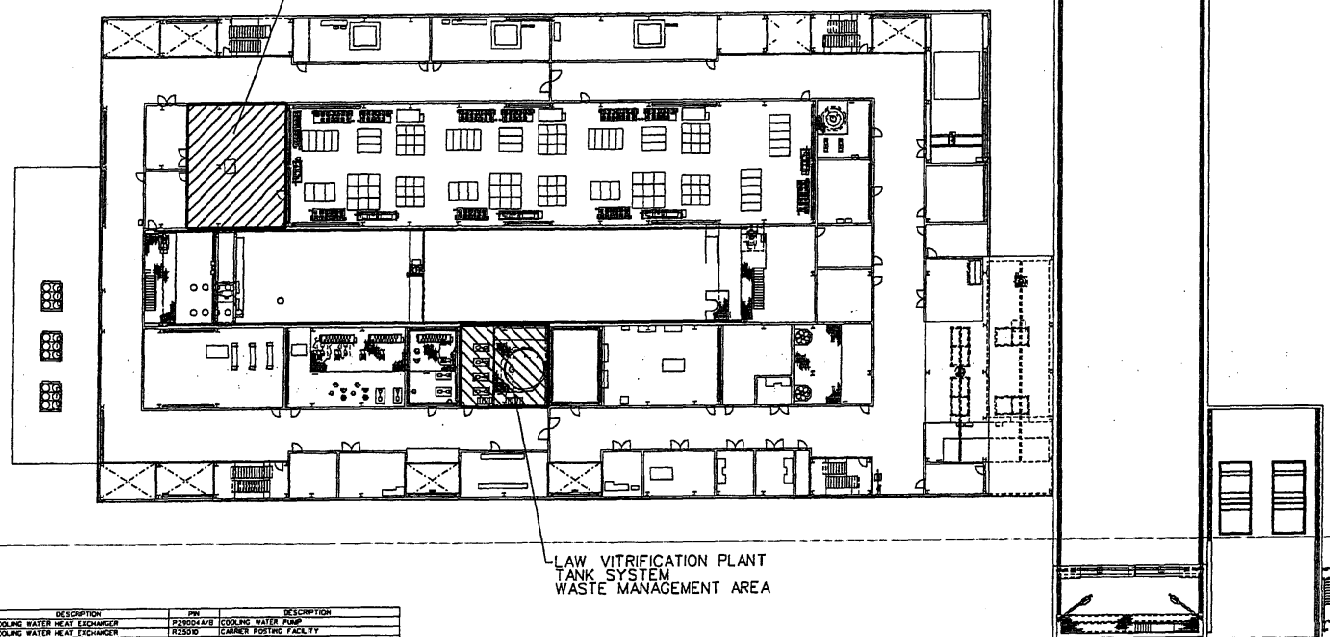
Figure 4A-84 Waste Management Areas LAW
- Plan at El. 22'

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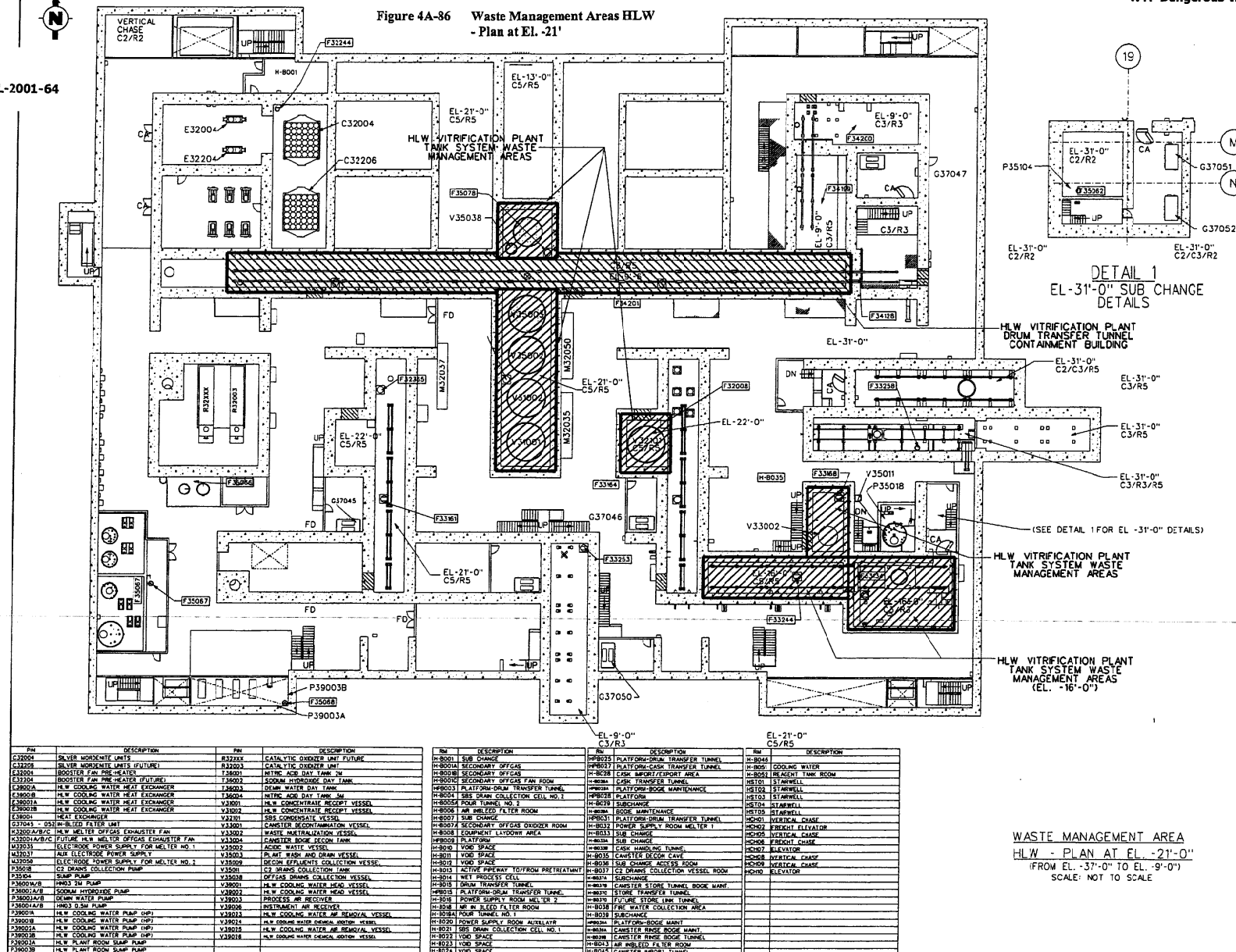


-LAW VITRIFICATION PLANT
C3 WORK SHOP
CONTAINMENT BUILDING

[illegible]

WASTE MANAGEMENT AREAS
LAW - PLAN AT EL. 28'-0"
SCALE: NOT TO SCALE

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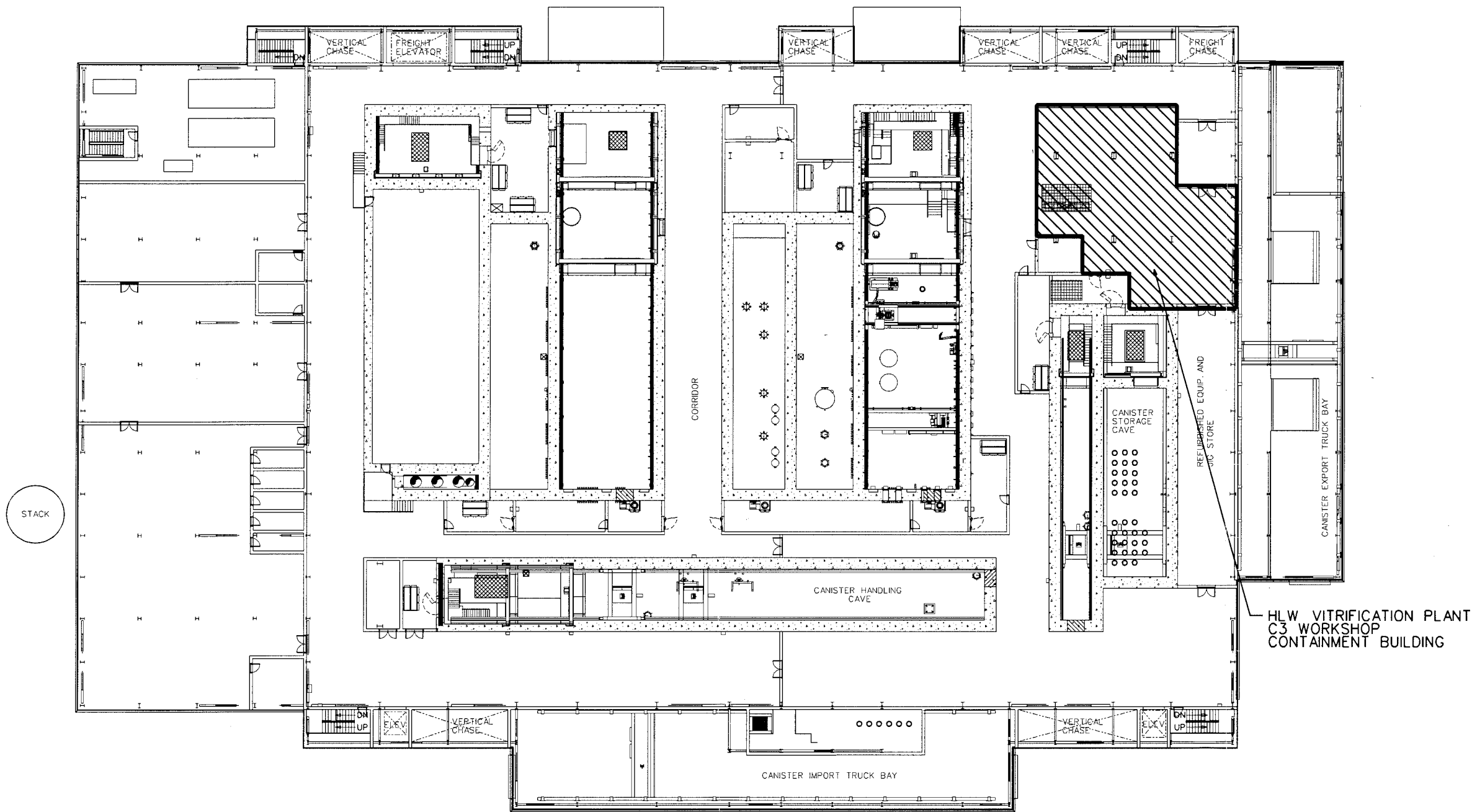
RM	DESCRIPTION
H-130	ABF ROOM
H-132	FILTER LAYDOWN AREA
H-133	FILTER CAVE
HP134A	MAINT. PLATFORM-THROUGH WALL DRIVE
H-135	SUB CHANGE
H-136	ABF ROOM
H-138	MELTER CAVE NO. 2-C2/C3 AIRLOCK
H-117	HP MONITORING LOBBY
H-118	COUNT ROOM
H-119	DECON ROOM W/ SHOWER
H-121	TRANSFORMER/BATTERY ROOM
H-123	UPS ROOM
H-123	BATTERY ROOM
H-124	BATTERY ROOM
H-125	UPS ROOM
H-126	LOAD CENTER (ITS)
H-127	LOAD CENTER (ITS)
H-128	LOAD CENTER (ITS)

H-139	DESCRIPTION
H-139	MELTER CAVE NO.2-C3/C5 AIRLOCK
H-140	MELTER CAVE NO.2
HP141A	MAINT. PLATFORM-THROUGH WALL DRIVE
H-142	PERSONAL PROTECTION STORE
H-143	E/CONSUMABLE STORE
H-144	SHIELDED PIPEWAY
H-144A	SHIELDED PIPEWAY
H-145	SHIELDED PIPEWAY
H-146	CANISTER HANDLING CAVE
HP147A	MAINT. PLATFORM-THROUGH WALL DRIVE
H-148	SUB CHANGE
H-149	AIRP. ROOM
H-150	SHIELDED PIPEWAY
H-151	MELTER CAVE NO.1-C2/C3 AIRLOCK
H-152	MELTER CAVE NO.1-C3/C5 AIRLOCK
H-153	MELTER CAVE NO.1
H-155	LOADING AREA
HP156	PLATFORM-CASK IMPORT/EXPORT AREA

R#	DESCRIPTION
H-157	SCAFFOLD STORE AREA
H-158	JANITOR STORE
H-159	RIGGING STORE
H-160	OPERATIONS AREA
H-161	SUB CHANGE
H-162	CRANE MAINTENANCE AREA
H-163	SWABBING & MONITORING AREA
H-165	CANISTER STORAGE CAVE
H-166	CANISTER WAG AND MONITORING CAVE
H-167	SUB CHANGE
H-169A	SPRINKLER VALVE ROOM
H-170	CANISTER EXPORT TRUCK BAY
H-171	CANISTER IMPORT TRUCK BAY
HST01	STAIRWELL
HST02	STAIRWELL
HST03	STAIRWELL
HST04	STAIRWELL
HST05	STAIRWELL

[illegible]

Figure 4A-87



WASTE MANAGEMENT AREAS
HLW - PLAN AT EL. 30'-0"
(FROM EL. 16'-0" TO EL. 36'-0")
SCALE: NOT TO SCALE

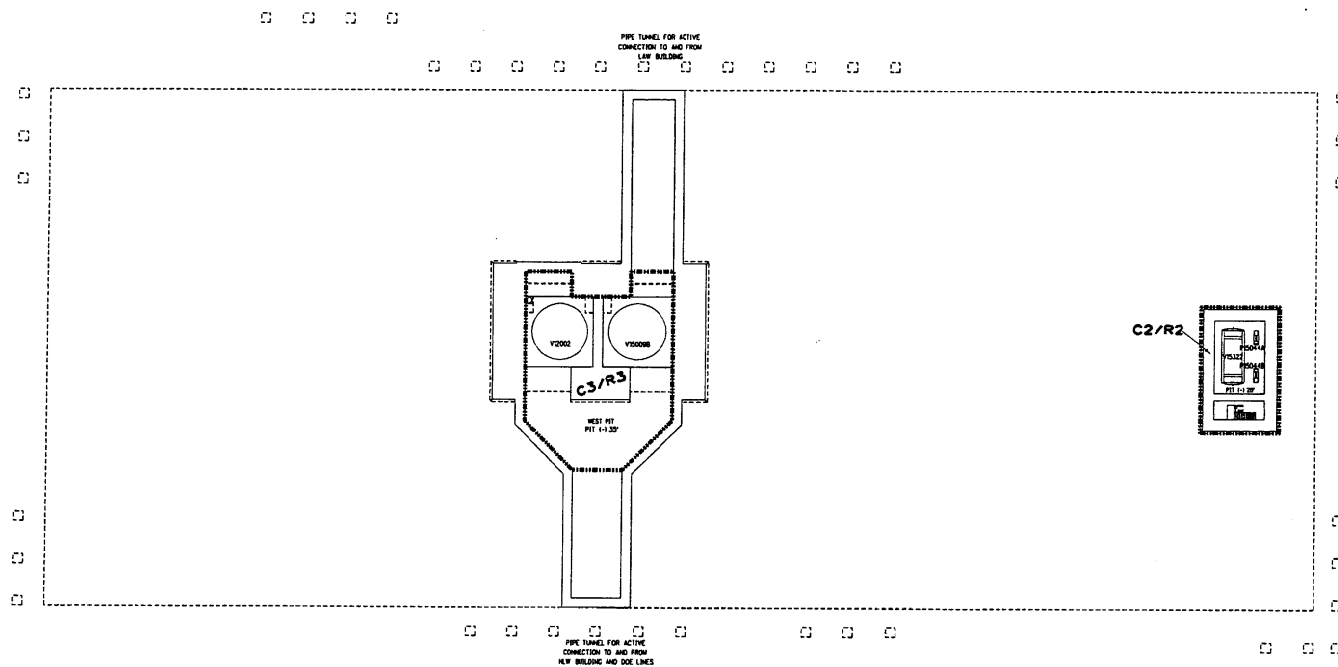
Figure 4A-89

PIN	DESCRIPTION	PIN	DESCRIPTION
G32101	WET	V33005	NEUTRALIZED WASTE
H32262	MSM DECONTAMINATION	V35XXX	
R35005	AUTOSAMPLER	V35004	ACID WASTE
R35006	AUTOSAMPLER	V35005	PLANT WASH
R35007	AUTOSAMPLER	V35006	WASH EFFLUENT
T32XXX		V35007	WASH EFFLUENT
T32014		V35008	WASH EFFLUENT
V31333A	FEED DIVERTER	V35024	PLANT WASH
V31333B	FEED DIVERTER	V35025	PLANT WASH
V31334A	HLW FEED DIVERTER	V35029	ACIDIC WASTE
V31334B	HLW FEED DIVERTER	V35036	WASHINGS/DRAINS
V32126A	PRIMARY	V35039	ACIDIC WASH
V33003	DECON		



Figure 4A-90 Contamination/Radiation Area
Boundaries Pretreatment - Plan
at EL. -41'

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PRETREATMENT - PLAN AT EL. (-)41'-0"
SCALE: NOT TO SCALE

PN	EQP NO.	DESCRIPTION
1	V2002	NEW ACID EFFLUENT HOLD VESSEL
2	V2008	NEW ACID EFFLUENT HOLD VESSEL
3	V2002	NEW ACID EFFLUENT HOLD VESSEL
4	P2004A	NEW ACID EFFLUENT HOLD VESSEL
5	P2004B	NEW ACID EFFLUENT HOLD VESSEL



Figure 4A-91 Contamination/Radiation Area
Boundaries Pretreatment - Plan
at El. 0'

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- NOTES:
1. CONTAMINATION/RADIATION AREA BOUNDARIES.
 2. ALL OPERATING AREAS ARE DESIGNATED C2/R2 UNLESS NOTED OTHERWISE.

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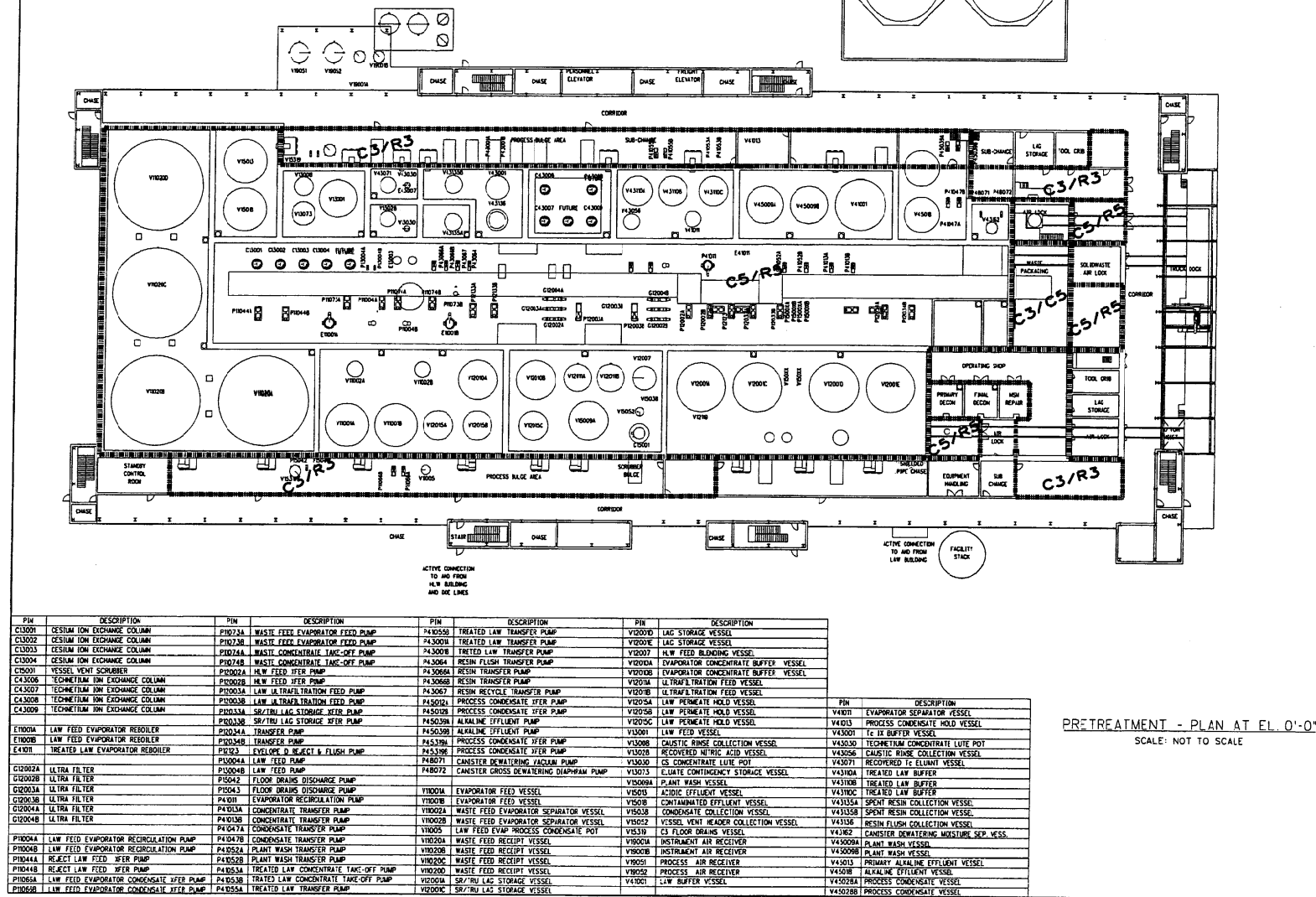


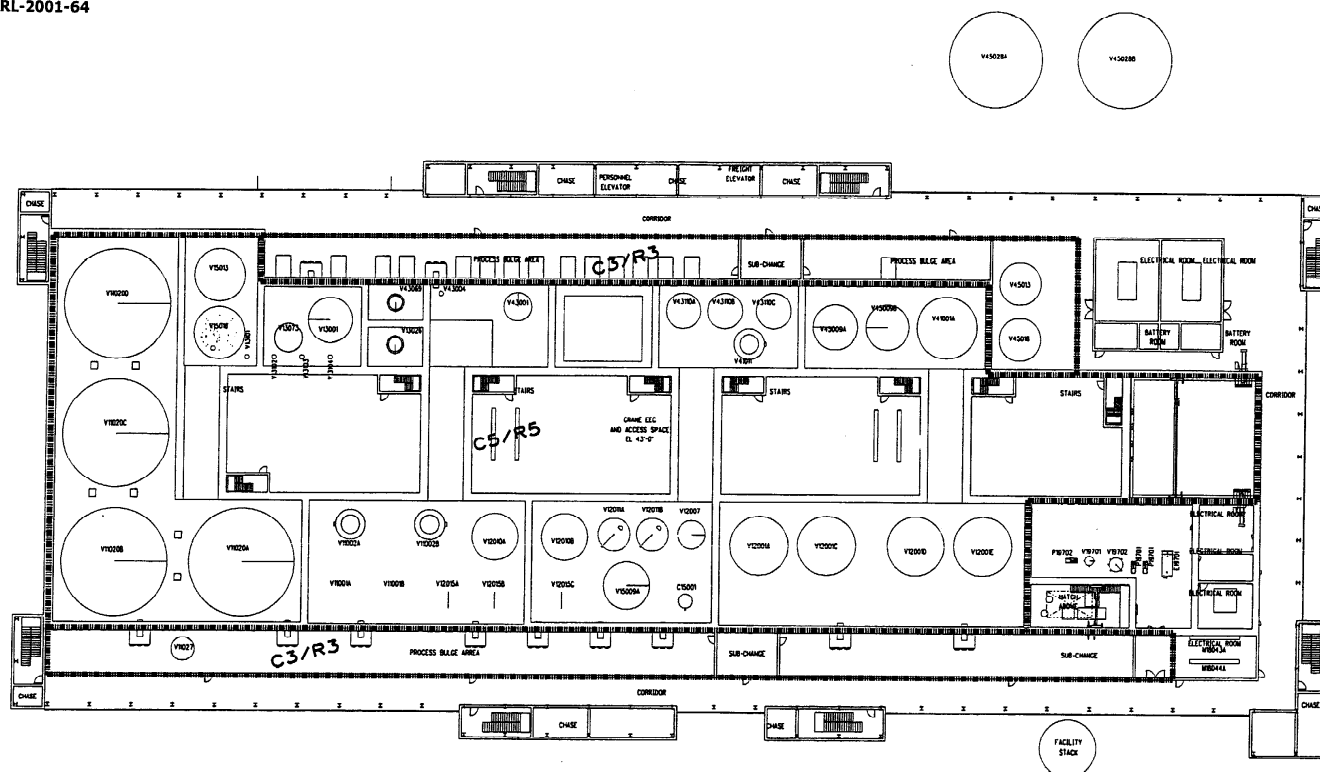


Figure 4A-92 Contamination/Radiation Area
Boundaries Pretreatment - Plan
at El. 28'

- NOTES:
1. CONTAMINATION/RADIATION AREA BOUNDARIES.
 2. ALL OPERATING AREAS ARE DESIGNATED C3/R2 UNLESS NOTED OTHERWISE.

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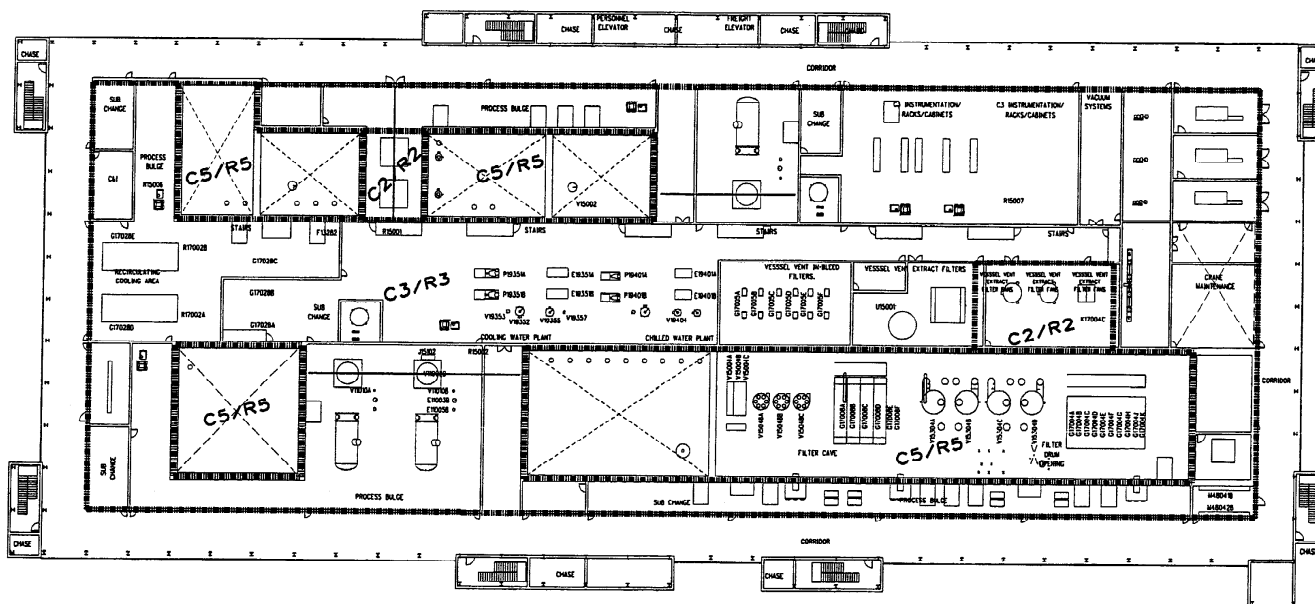
PN	EQ. NO.	DESCRIPTION	PN	EQ. NO.	DESCRIPTION
--	C5001	VESSEL WASH SCRUBBER	--	V1001	EVAPORATOR VESSEL
--	V1001A	LAW FEED EVAPORATOR FEED VESSEL	--	V1001B	TECHNIQUE FOR EXCHANGE FEED BUFFER VESSEL "A"
--	V1001C	LAW FEED EVAPORATOR FEED VESSEL	--	V1001D	TREATED LAW COLLECTION VESSEL "A"
--	V1001E	EVAPORATOR RECYCLATION VESSEL	--	V1001F	TREATED LAW COLLECTION VESSEL "B"
--	V1001G	EVAPORATOR RECYCLATION VESSEL	--	V1001H	TREATED LAW COLLECTION VESSEL "C"
--	V1001I	LAW RECEPT VESSEL	--	V1001J	PLANT WASH VESSEL
--	V1001K	LAW RECEPT VESSEL	--	V1001L	PLANT WASH VESSEL
--	V1001M	LAW RECEPT VESSEL	--	V1001N	PRIMARY RECYCLING EFFLUENT VESSEL
--	V1001O	LAW RECEPT VESSEL	--	V1001P	SECONDARY RECYCLING EFFLUENT VESSEL
--	V1001Q	ENVELOPE TO RECEPT VESSEL	--	V1001R	PROCESS CONDENSATE VESSEL "A"
--	V1001S	ENVELOPE TO RECEPT VESSEL	--	V1001T	PROCESS CONDENSATE VESSEL "B"
--	V1001U	ENVELOPE TO RECEPT VESSEL	--	V1001V	PROCESS CONDENSATE VESSEL "C"
--	V1001W	ENVELOPE TO RECEPT VESSEL	--	V1001X	NON-ACTIVE CONDENSATE HEAT EXCHANGER
--	V1001Y	NON-ACTIVE CONDENSATE HEAT EXCHANGER	--	V1001Z	NON-ACTIVE CONDENSATE HEAT EXCHANGER
--	V1002	EVAPORATOR CONCENTRATE BUFFER VESSEL	--	V1003	MOTOR CONTROL CENTER
--	V1003	EVAPORATOR CONCENTRATE BUFFER VESSEL	--	V1004	MOTOR CONTROL CENTER
--	V1004	ULTRAFILTRATION FEED VESSEL	--	V1005	PUMP
--	V1005	ULTRAFILTRATION FEED VESSEL	--	V1006	PUMP
--	V1006	ULTRAFILTRATION FEED VESSEL	--	V1007	PUMP
--	V1007	ULTRAFILTRATION FEED VESSEL	--	V1008	PUMP
--	V1008	ULTRAFILTRATION FEED VESSEL	--	V1009	PUMP
--	V1009	ULTRAFILTRATION FEED VESSEL	--	V1010	PUMP
--	V1010	ULTRAFILTRATION FEED VESSEL	--	V1011	PUMP
--	V1011	ULTRAFILTRATION FEED VESSEL	--	V1012	PUMP
--	V1012	ULTRAFILTRATION FEED VESSEL	--	V1013	PUMP
--	V1013	ULTRAFILTRATION FEED VESSEL	--	V1014	PUMP
--	V1014	ULTRAFILTRATION FEED VESSEL	--	V1015	PUMP
--	V1015	ULTRAFILTRATION FEED VESSEL	--	V1016	PUMP
--	V1016	ULTRAFILTRATION FEED VESSEL	--	V1017	PUMP
--	V1017	ULTRAFILTRATION FEED VESSEL	--	V1018	PUMP
--	V1018	ULTRAFILTRATION FEED VESSEL	--	V1019	PUMP
--	V1019	ULTRAFILTRATION FEED VESSEL	--	V1020	PUMP
--	V1020	ULTRAFILTRATION FEED VESSEL	--	V1021	PUMP
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--	V1023	ULTRAFILTRATION FEED VESSEL	--	V1024	PUMP
--	V1024	ULTRAFILTRATION FEED VESSEL	--	V1025	PUMP
--	V1025	ULTRAFILTRATION FEED VESSEL	--	V1026	PUMP
--	V1026	ULTRAFILTRATION FEED VESSEL	--	V1027	PUMP
--	V1027	ULTRAFILTRATION FEED VESSEL	--	V1028	PUMP
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--	V1030	ULTRAFILTRATION FEED VESSEL	--	V1031	PUMP
--	V1031	ULTRAFILTRATION FEED VESSEL	--	V1032	PUMP
--	V1032	ULTRAFILTRATION FEED VESSEL	--	V1033	PUMP
--	V1033	ULTRAFILTRATION FEED VESSEL	--	V1034	PUMP
--	V1034	ULTRAFILTRATION FEED VESSEL	--	V1035	PUMP
--	V1035	ULTRAFILTRATION FEED VESSEL	--	V1036	PUMP
--	V1036	ULTRAFILTRATION FEED VESSEL	--	V1037	PUMP
--	V1037	ULTRAFILTRATION FEED VESSEL	--	V1038	PUMP
--	V1038	ULTRAFILTRATION FEED VESSEL	--	V1039	PUMP
--	V1039	ULTRAFILTRATION FEED VESSEL	--	V1040	PUMP
--	V1040	ULTRAFILTRATION FEED VESSEL	--	V1041	PUMP
--	V1041	ULTRAFILTRATION FEED VESSEL	--	V1042	PUMP
--	V1042	ULTRAFILTRATION FEED VESSEL	--	V1043	PUMP
--	V1043	ULTRAFILTRATION FEED VESSEL	--	V1044	PUMP
--	V1044	ULTRAFILTRATION FEED VESSEL	--	V1045	PUMP
--	V1045	ULTRAFILTRATION FEED VESSEL	--	V1046	PUMP
--	V1046	ULTRAFILTRATION FEED VESSEL	--	V1047	PUMP
--	V1047	ULTRAFILTRATION FEED VESSEL	--	V1048	PUMP
--	V1048	ULTRAFILTRATION FEED VESSEL	--	V1049	PUMP
--	V1049	ULTRAFILTRATION FEED VESSEL	--	V1050	PUMP
--	V1050	ULTRAFILTRATION FEED VESSEL	--	V1051	PUMP
--	V1051	ULTRAFILTRATION FEED VESSEL	--	V1052	PUMP
--	V1052	ULTRAFILTRATION FEED VESSEL	--	V1053	PUMP
--	V1053	ULTRAFILTRATION FEED VESSEL	--	V1054	PUMP
--	V1054	ULTRAFILTRATION FEED VESSEL	--	V1055	PUMP
--	V1055	ULTRAFILTRATION FEED VESSEL	--	V1056	PUMP
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--	V1057	ULTRAFILTRATION FEED VESSEL	--	V1058	PUMP
--	V1058	ULTRAFILTRATION FEED VESSEL	--	V1059	PUMP
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--	V1070	ULTRAFILTRATION FEED VESSEL	--	V1071	PUMP
--	V1071	ULTRAFILTRATION FEED VESSEL	--	V1072	PUMP
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--	V1073	ULTRAFILTRATION FEED VESSEL	--	V1074	PUMP
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--	V1084	ULTRAFILTRATION FEED VESSEL	--	V1085	PUMP
--	V1085	ULTRAFILTRATION FEED VESSEL	--	V1086	PUMP
--	V1086	ULTRAFILTRATION FEED VESSEL	--	V1087	PUMP
--	V1087	ULTRAFILTRATION FEED VESSEL	--	V1088	PUMP
--	V1088	ULTRAFILTRATION FEED VESSEL	--	V1089	PUMP
--	V1089	ULTRAFILTRATION FEED VESSEL	--	V1090	PUMP
--	V1090	ULTRAFILTRATION FEED VESSEL	--	V1091	PUMP
--	V1091	ULTRAFILTRATION FEED VESSEL	--	V1092	PUMP
--	V1092	ULTRAFILTRATION FEED VESSEL	--	V1093	PUMP
--	V1093	ULTRAFILTRATION FEED VESSEL	--	V1094	PUMP
--	V1094	ULTRAFILTRATION FEED VESSEL	--	V1095	PUMP
--	V1095	ULTRAFILTRATION FEED VESSEL	--	V1096	PUMP
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--	V1097	ULTRAFILTRATION FEED VESSEL	--	V1098	PUMP
--	V1098	ULTRAFILTRATION FEED VESSEL	--	V1099	PUMP
--	V1099	ULTRAFILTRATION FEED VESSEL	--	V1100	PUMP

PRETREATMENT - PLAN AT EL. 28'-0"
SCALE: NOT TO SCALE

NOTES:

1.  CONTAMINATION/RADIATION AREA BOUNDARIES.
2. ALL OPERATING AREAS ARE DESIGNATED C2/R2 UNLESS NOTED OTHERWISE.


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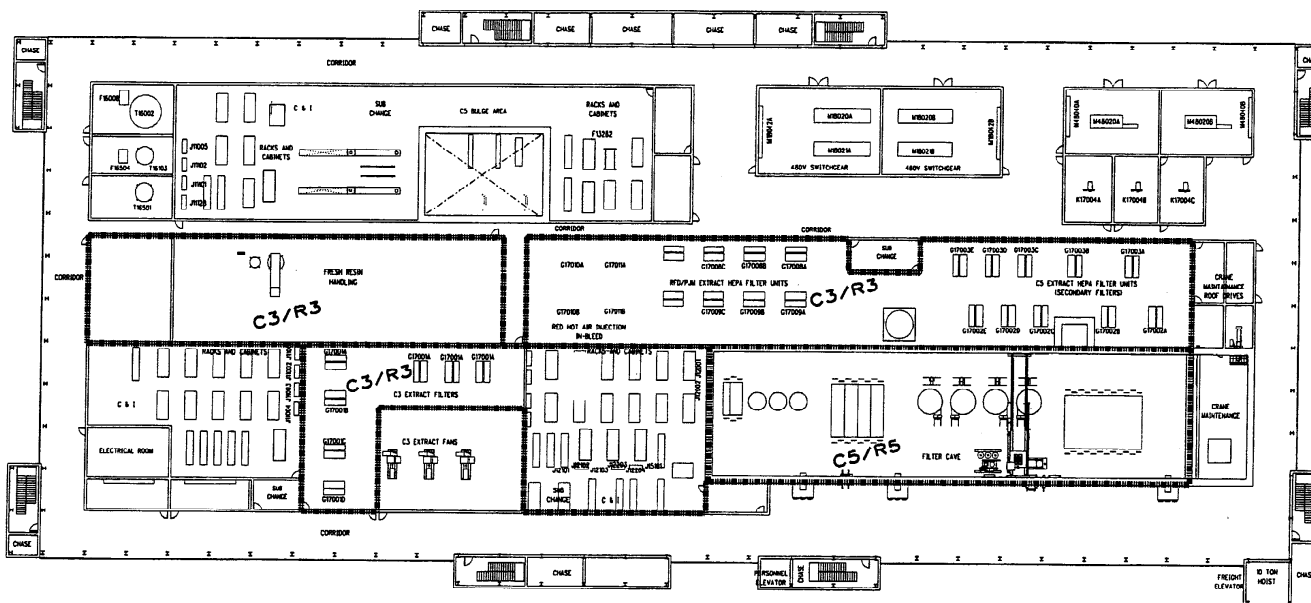
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CP000B	CP000B	CANON BMS FILTER	CP000B	CP000B	PWY EXTRACT - SECONDARY HEPA FILTER	W000B	W000B	VACUUM PUMP	W000B	W000B	SECONDARY COOLING WATER CIRC. FITTING
CP000C	CP000C	LAW FEED EVAPORATOR INTERCHANGER W/	CP000C	CP000C	PWY EXTRACT - SECONDARY HEPA FILTER	W000C	W000C	VACUUM PUMP	W000C	W000C	CS PRIMARY COOLING WATER DELT. LINE
CP000D	CP000D	LAW FEED EVAPORATOR INTERCHANGER W/	CP000D	CP000D	PWY EXTRACT - SECONDARY HEPA FILTER	W000D	W000D	CONDENSER WATER DISTRIBUTION PUMP W/	W000D	W000D	CS SECONDARY AIR LOGGING RELIEF LINE
CP000E	CP000E	LAW FEED EVAPORATOR INTERCHANGER W/	CP000E	CP000E	PWY EXTRACT - SECONDARY HEPA FILTER	W000E	W000E	CONDENSER WATER DISTRIBUTION PUMP W/	W000E	W000E	CENTRAL EXCHANGER GROUP DELT. LINE
CP000F	CP000F	LAW FEED EVAPORATOR INTERCHANGER W/	CP000F	CP000F	PWY EXTRACT - SECONDARY HEPA FILTER	W000F	W000F	CONDENSER WATER DISTRIBUTION PUMP W/	W000F	W000F	
CP000G	CP000G	CP000G	CP000G	CP000G	PWY EXTRACT - PRIMARY HEPA FILTER	W000G	W000G	CHILLER WATER DISTRIBUTION PUMP W/	W000G	W000G	
CP000H	CP000H	CP000H	CP000H	CP000H	PWY EXTRACT - PRIMARY HEPA FILTER	W000H	W000H	AIR COOLER	W000H	W000H	
CP000I	CP000I	CP000I	CP000I	CP000I	PWY EXTRACT - PRIMARY HEPA FILTER	W000I	W000I	AIR COOLER	W000I	W000I	
CP000J	CP000J	CP000J	CP000J	CP000J	PWY EXTRACT - PRIMARY HEPA FILTER	W000J	W000J	AIR COOLER	W000J	W000J	
CP000K	CP000K	CP000K	CP000K	CP000K	PWY EXTRACT - PRIMARY HEPA FILTER	W000K	W000K	AIR COOLER	W000K	W000K	
CP000L	CP000L	CP000L	CP000L	CP000L	PWY EXTRACT - PRIMARY HEPA FILTER	W000L	W000L	RECIRCULATING AIR COOLER	W000L	W000L	
CP000M	CP000M	CP000M	CP000M	CP000M	PWY EXTRACT - PRIMARY HEPA FILTER	W000M	W000M	RECIRCULATING AIR COOLER	W000M	W000M	
CP000N	CP000N	CP000N	CP000N	CP000N	PWY EXTRACT - PRIMARY HEPA FILTER	W000N	W000N	RECIRCULATING AIR COOLER	W000N	W000N	
CP000O	CP000O	CP000O	CP000O	CP000O	PWY EXTRACT - PRIMARY HEPA FILTER	W000O	W000O	RECIRCULATING AIR COOLER	W000O	W000O	
CP000P	CP000P	CP000P	CP000P	CP000P	PWY EXTRACT - PRIMARY HEPA FILTER	W000P	W000P	RECIRCULATING AIR COOLER	W000P	W000P	
CP000Q	CP000Q	CP000Q	CP000Q	CP000Q	PWY EXTRACT - PRIMARY HEPA FILTER	W000Q	W000Q	RECIRCULATING AIR COOLER	W000Q	W000Q	
CP000R	CP000R	CP000R	CP000R	CP000R	PWY EXTRACT - PRIMARY HEPA FILTER	W000R	W000R	RECIRCULATING AIR COOLER	W000R	W000R	
CP000S	CP000S	CP000S	CP000S	CP000S	PWY EXTRACT - PRIMARY HEPA FILTER	W000S	W000S	RECIRCULATING AIR COOLER	W000S	W000S	
CP000T	CP000T	CP000T	CP000T	CP000T	PWY EXTRACT - PRIMARY HEPA FILTER	W000T	W000T	RECIRCULATING AIR COOLER	W000T	W000T	
CP000U	CP000U	CP000U	CP000U	CP000U	PWY EXTRACT - PRIMARY HEPA FILTER	W000U	W000U	RECIRCULATING AIR COOLER	W000U	W000U	
CP000V	CP000V	CP000V	CP000V	CP000V	PWY EXTRACT - PRIMARY HEPA FILTER	W000V	W000V	RECIRCULATING AIR COOLER	W000V	W000V	
CP000W	CP000W	CP000W	CP000W	CP000W	PWY EXTRACT - PRIMARY HEPA FILTER	W000W	W000W	RECIRCULATING AIR COOLER	W000W	W000W	
CP000X	CP000X	CP000X	CP000X	CP000X	PWY EXTRACT - PRIMARY HEPA FILTER	W000X	W000X	RECIRCULATING AIR COOLER	W000X	W000X	
CP000Y	CP000Y	CP000Y	CP000Y	CP000Y	PWY EXTRACT - PRIMARY HEPA FILTER	W000Y	W000Y	RECIRCULATING AIR COOLER	W000Y	W000Y	
CP000Z	CP000Z	CP000Z	CP000Z	CP000Z	PWY EXTRACT - PRIMARY HEPA FILTER	W000Z	W000Z	RECIRCULATING AIR COOLER	W000Z	W000Z	
CP000A	CP000A	CP000A	CP000A	CP000A	PWY EXTRACT - PRIMARY HEPA FILTER	W000A	W000A	RECIRCULATING AIR COOLER	W000A	W000A	
CP000B	CP000B	CP000B	CP000B	CP000B	PWY EXTRACT - PRIMARY HEPA FILTER	W000B	W000B	RECIRCULATING AIR COOLER	W000B	W000B	
CP000C	CP000C	CP000C	CP000C	CP000C	PWY EXTRACT - PRIMARY HEPA FILTER	W000C	W000C	RECIRCULATING AIR COOLER	W000C	W000C	
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CP000E	CP000E	CP000E	CP000E	CP000E	PWY EXTRACT - PRIMARY HEPA FILTER	W000E	W000E	RECIRCULATING AIR COOLER	W000E	W000E	
CP000F	CP000F	CP000F	CP000F	CP000F	PWY EXTRACT - PRIMARY HEPA FILTER	W000F	W000F	RECIRCULATING AIR COOLER	W000F	W000F	
CP000G	CP000G	CP000G	CP000G	CP000G	PWY EXTRACT - PRIMARY HEPA FILTER	W000G	W000G	RECIRCULATING AIR COOLER	W000G	W000G	
CP000H	CP000H	CP000H	CP000H	CP000H	PWY EXTRACT - PRIMARY HEPA FILTER	W000H	W000H	RECIRCULATING AIR COOLER	W000H	W000H	
CP000I	CP000I	CP000I	CP000I	CP000I	PWY EXTRACT - PRIMARY HEPA FILTER	W000I	W000I	RECIRCULATING AIR COOLER	W000I	W000I	
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CP000Q	CP000Q	CP000Q	CP000Q	CP000Q	PWY EXTRACT - PRIMARY HEPA FILTER	W000Q	W000Q	RECIRCULATING AIR COOLER	W000Q	W000Q	
CP000R	CP000R	CP000R	CP000R	CP000R	PWY EXTRACT - PRIMARY HEPA FILTER	W000R	W000R	RECIRCULATING AIR COOLER	W000R	W000R	
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CP000U	CP000U	CP000U	CP000U	CP000U	PWY EXTRACT - PRIMARY HEPA FILTER	W000U	W000U	RECIRCULATING AIR COOLER	W000U	W000U	
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CP000X	CP000X	CP000X	CP000X	CP000X	PWY EXTRACT - PRIMARY HEPA FILTER	W000X	W000X	RECIRCULATING AIR COOLER	W000X	W000X	
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CP000Z	CP000Z	CP000Z	CP000Z	CP000Z	PWY EXTRACT - PRIMARY HEPA FILTER	W000Z	W000Z	RECIRCULATING AIR COOLER	W000Z	W000Z	
CP000A	CP000A	CP000A	CP000A	CP000A	PWY EXTRACT - PRIMARY HEPA FILTER	W000A	W000A	RECIRCULATING AIR COOLER	W000A	W000A	
CP000B	CP000B	CP000B	CP000B	CP000B	PWY EXTRACT - PRIMARY HEPA FILTER	W000B	W000B	RECIRCULATING AIR COOLER	W000B	W000B	
CP000C	CP000C	CP000C	CP000C	CP000C	PWY EXTRACT - PRIMARY HEPA FILTER	W000C	W000C	RECIRCULATING AIR COOLER	W000C	W000C	
CP000D	CP000D	CP000D	CP000D	CP000D	PWY EXTRACT - PRIMARY HEPA FILTER	W000D	W000D	RECIRCULATING AIR COOLER	W000D	W000D	
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CP000F	CP000F	CP000F	CP000F	CP000F	PWY EXTRACT - PRIMARY HEPA FILTER	W000F	W000F	RECIRCULATING AIR COOLER	W000F	W000F	
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CP000S	CP000S	CP000S	CP000S	CP000S	PWY EXTRACT - PRIMARY HEPA FILTER	W000S	W000S	RECIRCULATING AIR COOLER	W000S	W000S	
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CP000A	CP000A	CP000A	CP000A	CP000A	PWY EXTRACT - PRIMARY HEPA FILTER	W000A	W000A	RECIRCULATING AIR COOLER	W000A	W000A	
CP000B	CP000B	CP000B	CP000B	CP000B	PWY EXTRACT - PRIMARY HEPA FILTER	W000B	W000B	RECIRCULATING AIR COOLER	W000B	W000B	
CP000C	CP000C	CP000C	CP000C	CP000C	PWY EXTRACT - PRIMARY HEPA FILTER	W000C	W000C	RECIRCULATING AIR COOLER	W000C	W000C	
CP000D	CP000D	CP000D	CP000D	CP000D	PWY EXTRACT - PRIMARY HEPA FILTER	W000D	W000D	RECIRCULATING AIR COOLER	W000D	W000D	
CP000E	CP000E	CP000E	CP000E	CP000E	PWY EXTRACT - PRIMARY HEPA FILTER	W000E	W000E	RECIRCULATING AIR COOLER	W000E	W000E	
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CP000H	CP000H	CP000H	CP000H	CP000H	PWY EXTRACT - PRIMARY HEPA FILTER	W000H	W000H	RECIRCULATING AIR COOLER	W000H	W000H	
CP000I	CP000I	CP000I	CP000I	CP000I	PWY EXTRACT - PRIMARY HEPA FILTER	W000I	W000I	RECIRCULATING AIR COOLER	W000I	W000I	
CP000J	CP000J	CP000J	CP000J	CP000J	PWY EXTRACT - PRIMARY HEPA FILTER	W000J	W000J	RECIRCULATING AIR COOLER	W000J	W000J	
CP000K	CP000K	CP000K	CP000K	CP000K	PWY EXTRACT - PRIMARY HEPA FILTER	W000K	W000K	RECIRCULATING AIR COOLER	W000K	W000K	
CP000L	CP000L	CP000L	CP000L	CP000L	PWY EXTRACT - PRIMARY HEPA FILTER	W000L	W000L	RECIRCULATING AIR COOLER	W000L	W000L	
CP000M	CP000M	CP000M	CP000M	CP000M	PWY EXTRACT - PRIMARY HEPA FILTER	W000M	W000M	RECIRCULATING AIR COOLER	W000M	W000M	
CP000N	CP000N	CP000N	CP000N	CP000N	PWY EXTRACT - PRIMARY HEPA FILTER	W000N	W000N	RECIRCULATING AIR COOLER	W000N	W000N	
CP000O	CP000O	CP000O	CP000O	CP000O	PWY EXTRACT - PRIMARY HEPA FILTER	W000O	W000O	RECIRCULATING AIR COOLER	W000O	W000O	
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CP000Q	CP000Q	CP000Q	CP000Q	CP000Q	PWY EXTRACT - PRIMARY HEPA FILTER	W000Q	W000Q	RECIRCULATING AIR COOLER	W000Q	W000Q	
CP000R	CP000R	CP000R	CP000R	CP000R	PWY EXTRACT - PRIMARY HEPA FILTER	W000R	W000R	RECIRCULATING AIR COOLER	W000R	W000R	
CP000S	CP000S	CP000S	CP000S	CP000S	PWY EXTRACT - PRIMARY HEPA FILTER	W000S	W000S	RECIRCULATING AIR COOLER	W000S	W000S	
CP000T	CP000T	CP000T	CP000T	CP000T	PWY EXTRACT - PRIMARY HEPA FILTER	W000T	W000T	RECIRCULATING AIR COOLER	W000T	W000T	
CP000U	CP000U	CP000U	CP000U	CP000U	PWY EXTRACT - PRIMARY HEPA FILTER	W000					

PRETREATMENT - PLAN AT EL. 56'-0"
SCALE: NOT TO SCALE

NOTES:

1.  CONTAMINATION/RADIATION AREA BOUNDARIES.
2. ALL OPERATING AREAS ARE DESIGNATED C2/R2 UNLESS NOTED OTHERWISE.

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[illegible]

PRETREATMENT - PLAN AT EL. 77'-0"
SCALE: NOT TO SCALE



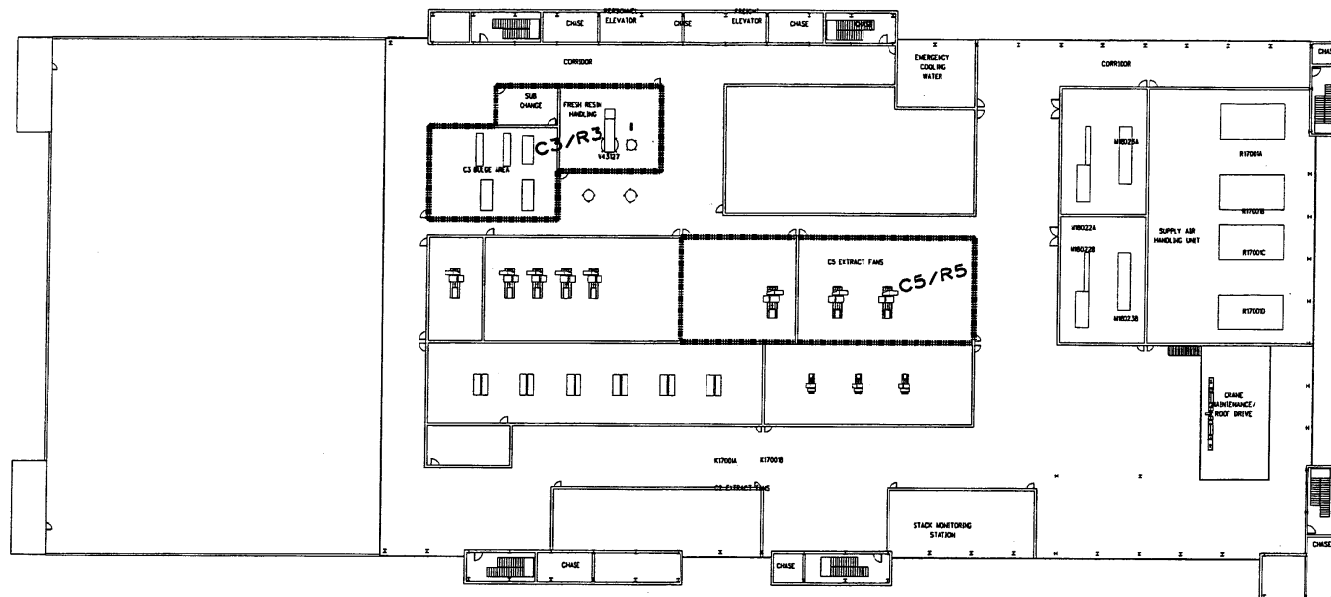
Figure 4A-95 Contamination/Radiation Area
Boundaries Pretreatment - Plan
at El. 98'

NOTES:

1.  CONTAMINATION/RADIATION AREA BOUNDARIES.
2. ALL OPERATING AREAS ARE DESIGNATED C1/R2 UNLESS NOTED OTHERWISE.

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PRETREATMENT - PLAN AT EL. 98'-0"
SCALE: NOT TO SCALE

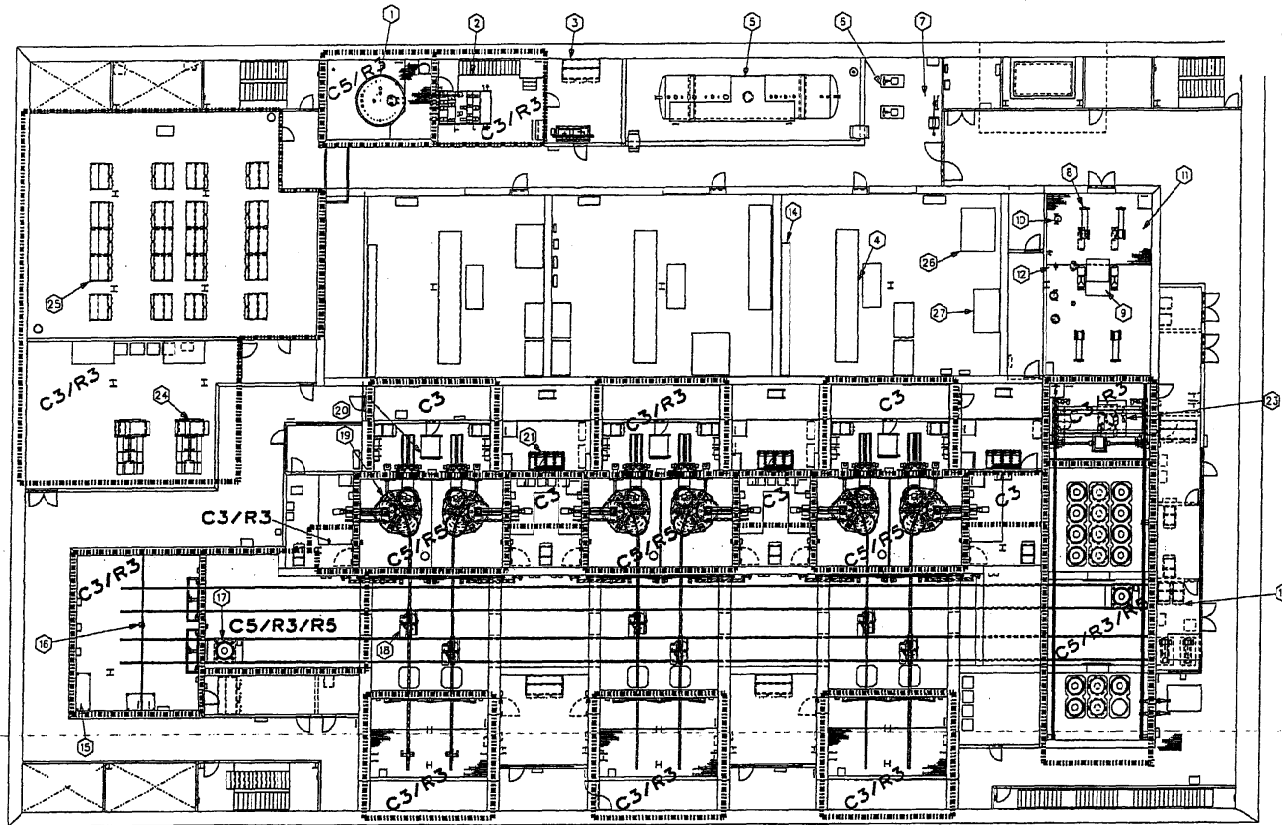


Figure 4A-96 Contamination/Radiation Area
Boundaries LAW - Plan at
EL. -21'

- NOTES:
1. CONTAMINATION/RADIATION AREA BOUNDARIES.
 2. ALL OPERATING AREAS ARE DESIGNATED C3/R3 UNLESS NOTED OTHERWISE.

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LAW - PLAN AT EL. -21'-0"
SCALE: NOT TO SCALE

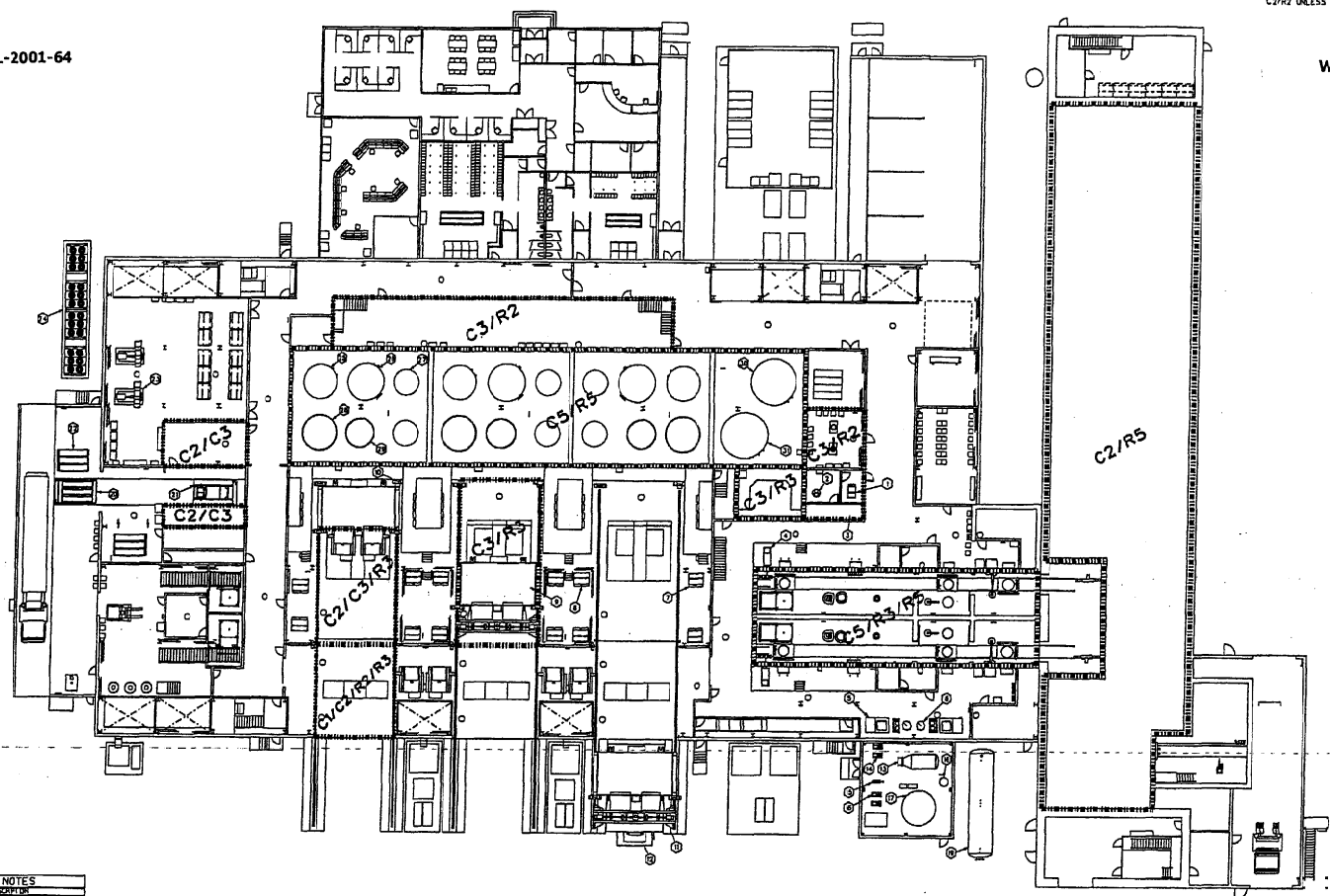
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Figure 4A-97 Contamination/Radiation Area
Boundaries LAW - Plan at EL. 3'

- NOTES:
1. CONTAMINATION/RADIATION AREA BOUNDARIES.
 2. ALL OPERATING AREAS ARE DESIGNATED C2/R2 UNLESS NOTED OTHERWISE.

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KEYED NOTES	
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97	DOE/RL-2001-64
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99	DOE/RL-2001-64
100	DOE/RL-2001-64



LAW - PLAN AT EL. 3'-0"
SCALE: NOT TO SCALE

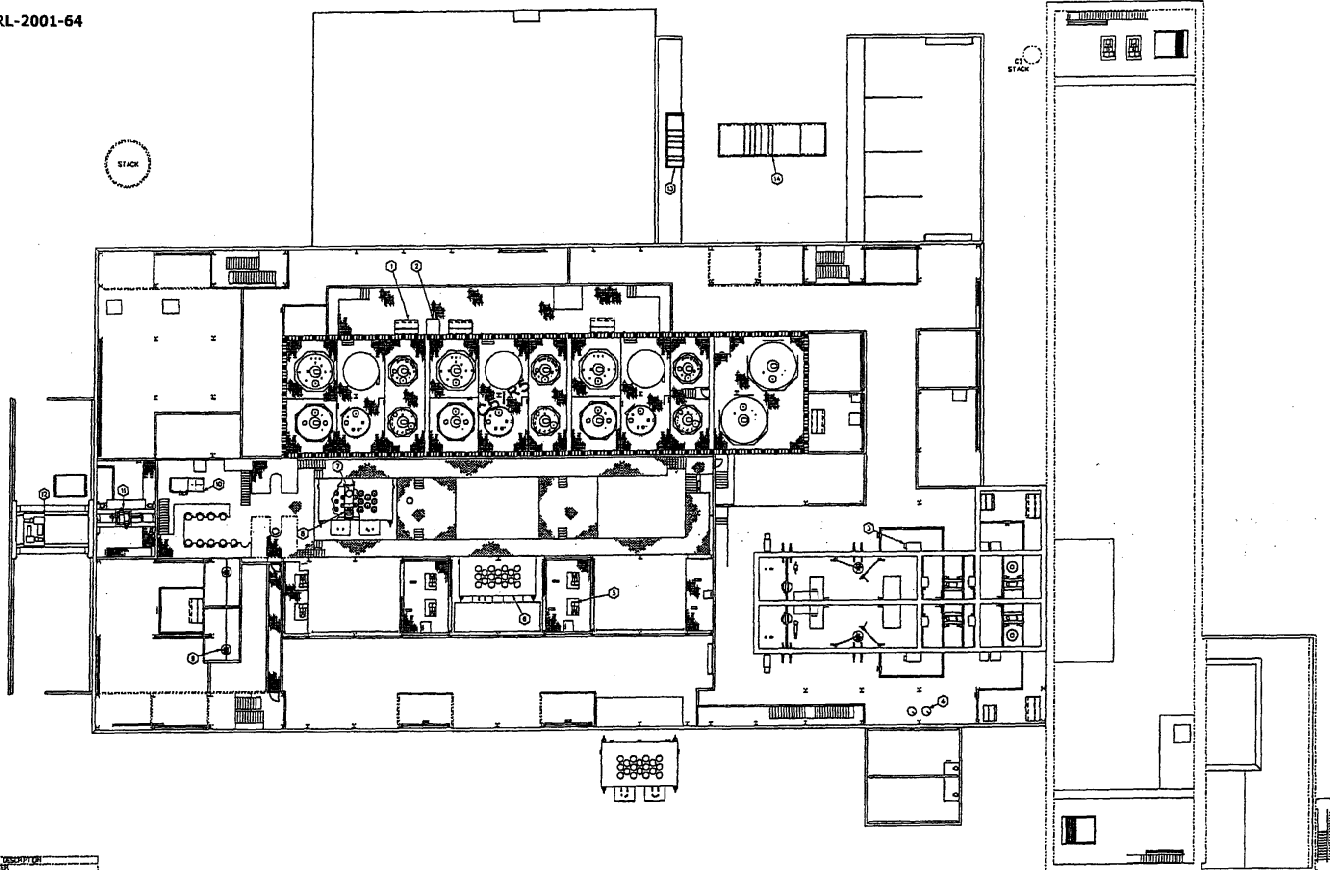


Figure 4A-98 Contamination/Radiation Area
Boundaries LAW - Plan at
El. 22'

- NOTES:
1. CONTAMINATION/RADIATION AREA BOUNDARIES.
 2. ALL OPERATING AREAS ARE DESIGNATED C2/A1 UNLESS NOTED OTHERWISE.

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100	WTP DANGER

LAW - PARTIAL PLAN AT EL. 22'-0"
SCALE: NOT TO SCALE

NOTES:

1.  CONTAMINATION/RADIATION AREA BOUNDARIES.
2. ALL OPERATING AREAS ARE DESIGNATED C2/R2 UNLESS NOTED OTHERWISE.

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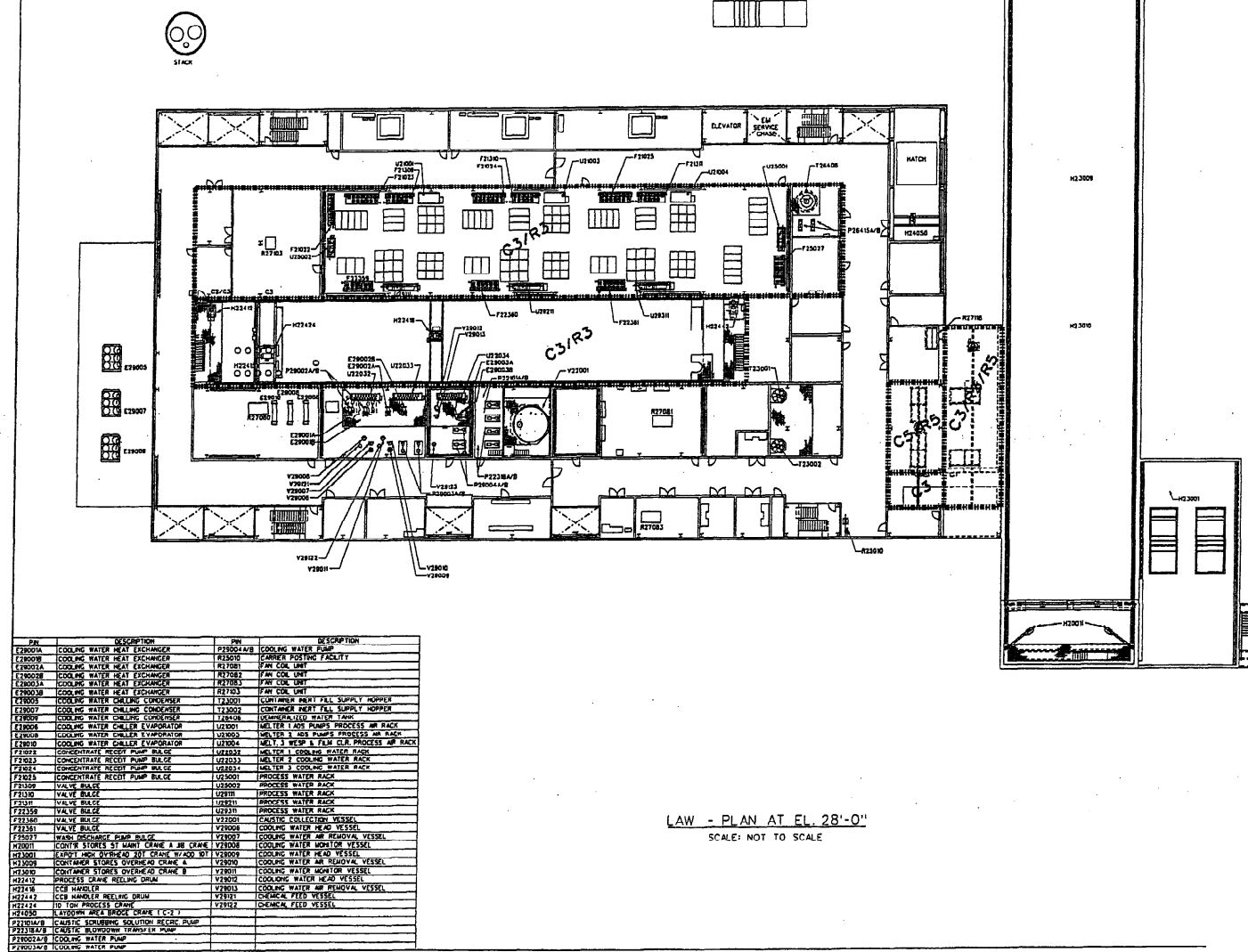




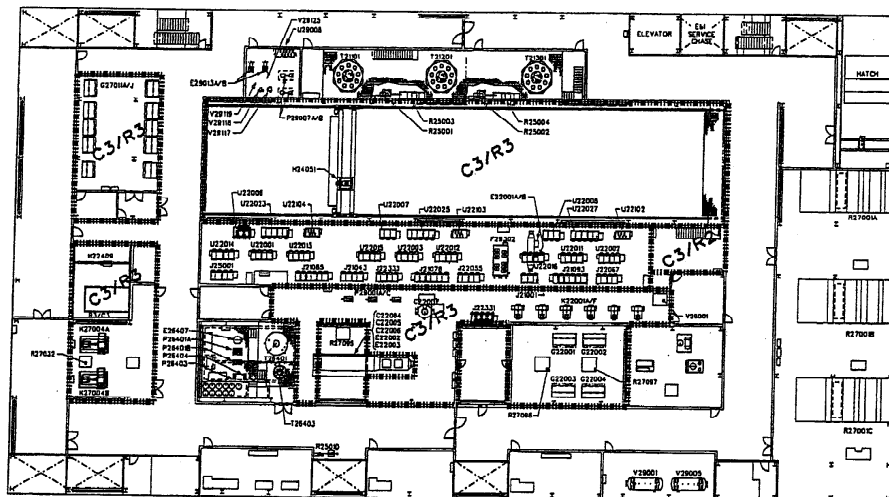
Figure 4A-100 Contamination/Radiation Area
Boundaries LAW - Plan at
EL. 48'

DOE/RL-2001-64

NOTES:

1. CONTAMINATION/RADIATION AREA BOUNDARIES.
2. ALL OPERATING AREAS ARE DESIGNATED C3/R3 UNLESS NOTED OTHERWISE.

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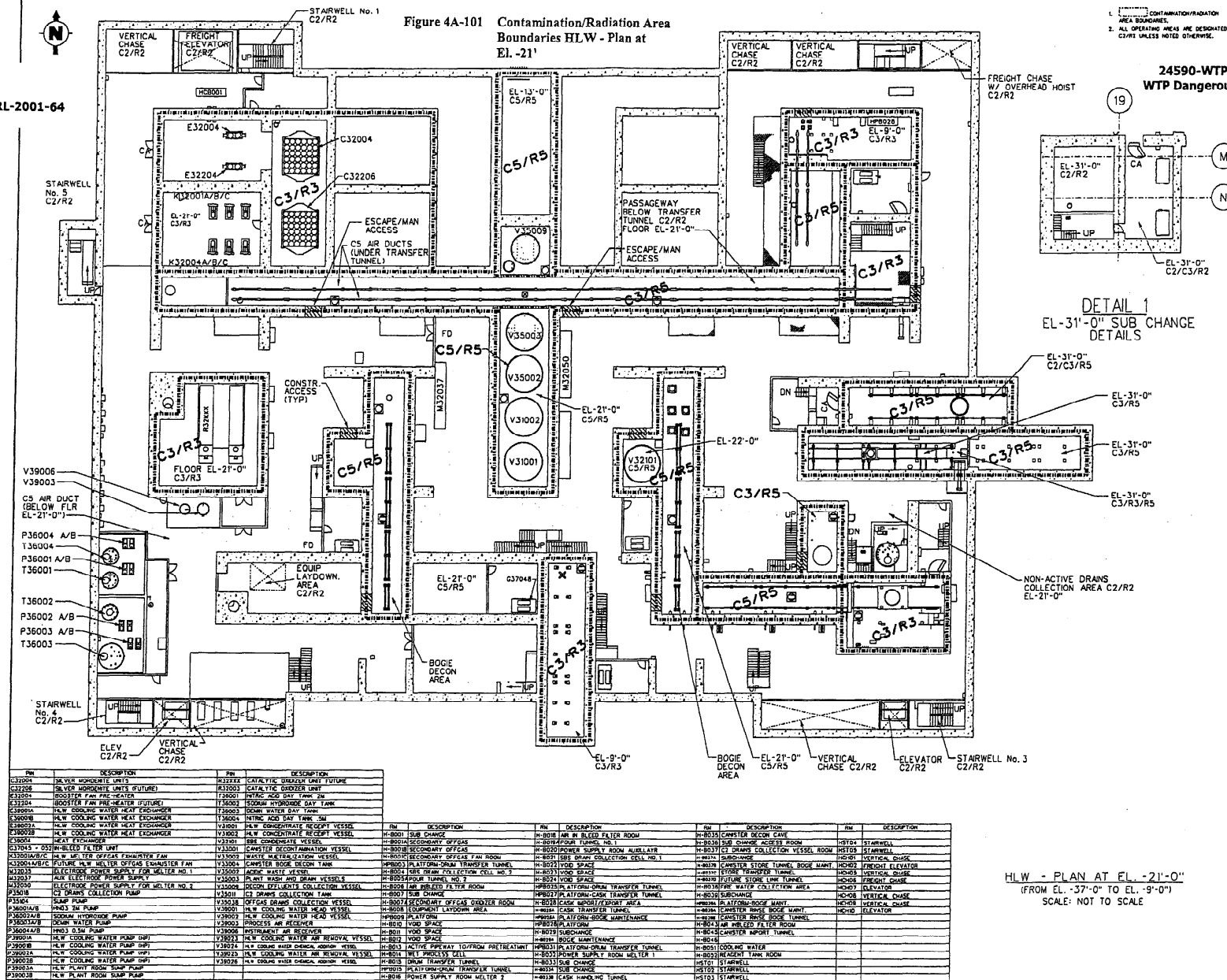


LAW - PLAN AT EL. 48'-0"
SCALE: NOT TO SCALE

IN	DESCRIPTION
C2700A	OFFGAS CAT OXIDIZER SCH CAT-1
C2700B	OFFGAS CAT OXIDIZER SCH CAT-2
C2700C	OFFGAS CAT OXIDIZER VISC CATALYST
C2700D	OFFGAS CATALYST SCHEDULED CATALYST
C2700E	MELTER OFFGAS HEPA PREHEATER
C2700F	CATALYTIC OXIDIZER HEAT RECOVERY UNIT
C2700G	CATALYTIC OXIDIZER ELECTRIC HEATER
C2700H	VAPOR ICATOR
C2700I	CHILLED WATER HEAT EXCHANGER
C2700J	LOW PRESSURE STEAM RACK
C2700K	MELTER OFFGAS HEPA FILTER
C2700L	MELTER OFFGAS HEPA FILTER
C2700M	MELTER OFFGAS HEPA FILTER
C2700N	MELTER OFFGAS HEPA FILTER
C2700O	C3 HEPA FILTER HOUSING
C2700P	3 TON WATER/STEAM PUMP
C2700Q	LATDOW AREA BRIDGE CRANE (C-3)
C2700R	PROCESS AREA BRIDGE CRANE (C-3)
C2700S	FEED RECEIPT & TRANSFER RACK
C2700T	PRIMARY OFF GAS EQUIP RACK
C2700U	FEED PREP AND MELTER FEED RACK
C2700V	FEED PREP AND MELTER FEED RACK
C2700W	FEED PREP AND MELTER FEED RACK
C2700X	FEED PREP AND MELTER FEED RACK
C2700Y	FEED PREP AND MELTER FEED RACK
C2700Z	FEED PREP AND MELTER FEED RACK
C2700A	FEED PREP AND MELTER FEED RACK
C2700B	FEED PREP AND MELTER FEED RACK
C2700C	FEED PREP AND MELTER FEED RACK
C2700D	FEED PREP AND MELTER FEED RACK
C2700E	FEED PREP AND MELTER FEED RACK
C2700F	FEED PREP AND MELTER FEED RACK
C2700G	FEED PREP AND MELTER FEED RACK
C2700H	FEED PREP AND MELTER FEED RACK
C2700I	FEED PREP AND MELTER FEED RACK
C2700J	FEED PREP AND MELTER FEED RACK
C2700K	FEED PREP AND MELTER FEED RACK
C2700L	FEED PREP AND MELTER FEED RACK
C2700M	FEED PREP AND MELTER FEED RACK
C2700N	FEED PREP AND MELTER FEED RACK
C2700O	FEED PREP AND MELTER FEED RACK
C2700P	FEED PREP AND MELTER FEED RACK
C2700Q	FEED PREP AND MELTER FEED RACK
C2700R	FEED PREP AND MELTER FEED RACK
C2700S	FEED PREP AND MELTER FEED RACK
C2700T	FEED PREP AND MELTER FEED RACK
C2700U	FEED PREP AND MELTER FEED RACK
C2700V	FEED PREP AND MELTER FEED RACK
C2700W	FEED PREP AND MELTER FEED RACK
C2700X	FEED PREP AND MELTER FEED RACK
C2700Y	FEED PREP AND MELTER FEED RACK
C2700Z	FEED PREP AND MELTER FEED RACK


IN	DESCRIPTION
R2700A	PROCESS AREA BRIDGE CRANE (C-3)
R2700B	FEED RECEIPT & TRANSFER RACK
R2700C	PRIMARY OFF GAS EQUIP RACK
R2700D	FEED PREP AND MELTER FEED RACK
R2700E	FEED PREP AND MELTER FEED RACK
R2700F	FEED PREP AND MELTER FEED RACK
R2700G	FEED PREP AND MELTER FEED RACK
R2700H	FEED PREP AND MELTER FEED RACK
R2700I	FEED PREP AND MELTER FEED RACK
R2700J	FEED PREP AND MELTER FEED RACK
R2700K	FEED PREP AND MELTER FEED RACK
R2700L	FEED PREP AND MELTER FEED RACK
R2700M	FEED PREP AND MELTER FEED RACK
R2700N	FEED PREP AND MELTER FEED RACK
R2700O	FEED PREP AND MELTER FEED RACK
R2700P	FEED PREP AND MELTER FEED RACK
R2700Q	FEED PREP AND MELTER FEED RACK
R2700R	FEED PREP AND MELTER FEED RACK
R2700S	FEED PREP AND MELTER FEED RACK
R2700T	FEED PREP AND MELTER FEED RACK
R2700U	FEED PREP AND MELTER FEED RACK
R2700V	FEED PREP AND MELTER FEED RACK
R2700W	FEED PREP AND MELTER FEED RACK
R2700X	FEED PREP AND MELTER FEED RACK
R2700Y	FEED PREP AND MELTER FEED RACK
R2700Z	FEED PREP AND MELTER FEED RACK

**Figure 4A-101 Contamination/Radiation Area
Boundaries HLW - Plan at
El. -21'**

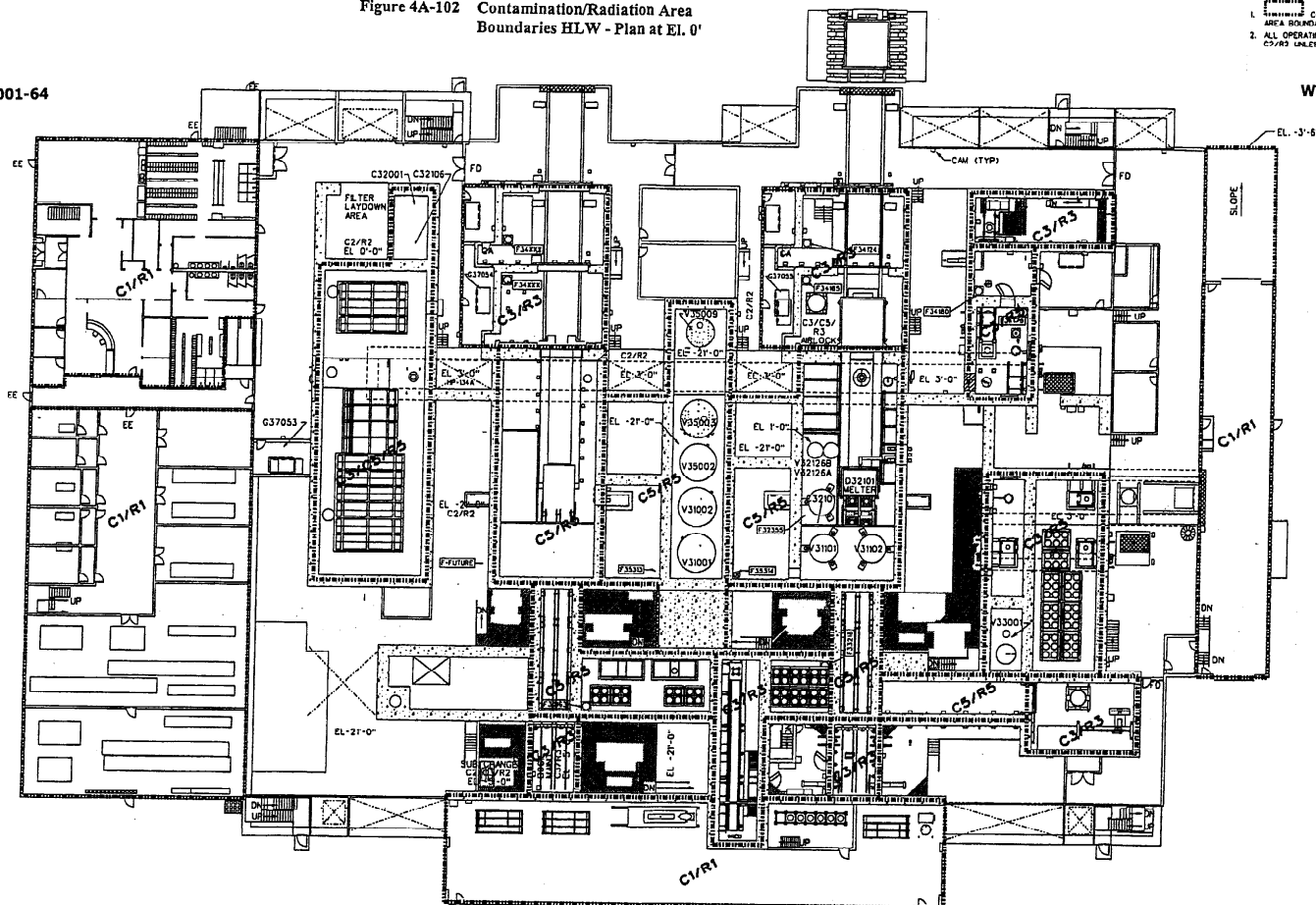


HLW - PLAN AT EL. -21'-0"
(FROM EL. -37'-0" TO EL. -9'-0")
SCALE: NOT TO SCALE

NOTES:


1.  CONTAMINATION/RADIATION AREA BOUNDARIES.
2. ALL OPERATING AREAS ARE DESIGNATED C2/R2 UNLESS NOTED OTHERWISE.

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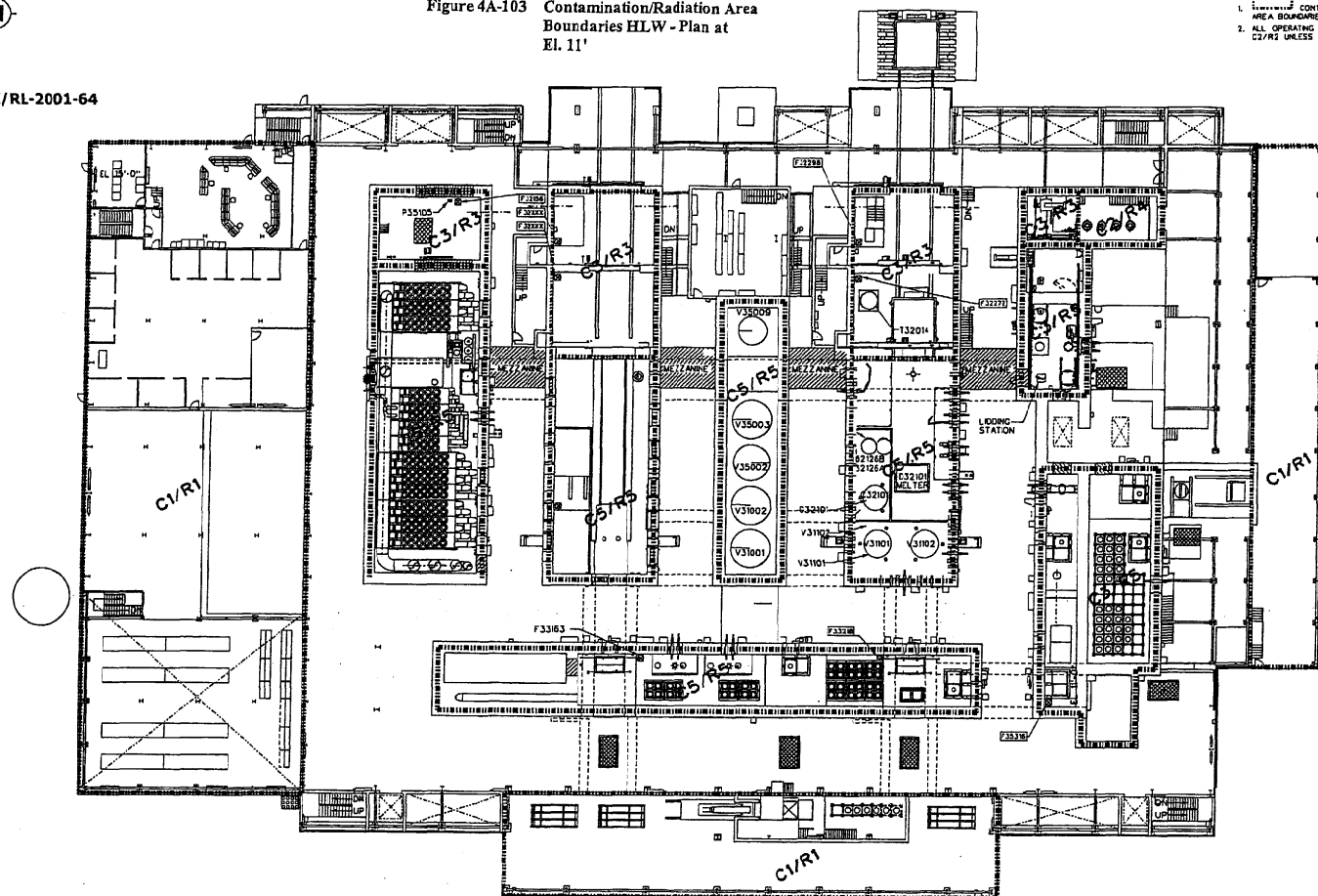
[illegible]

HLW - PLAN AT EL. 0'-0"
(FROM EL. -9'-0" TO EL. 8'-0")
SCALE: NOT TO SCALE

NOTES:

1.  CONTAMINATION/RADIATION AREA BOUNDARIES.
2. ALL OPERATING AREAS ARE DESIGNATED C2/R2 UNLESS NOTED OTHERWISE.

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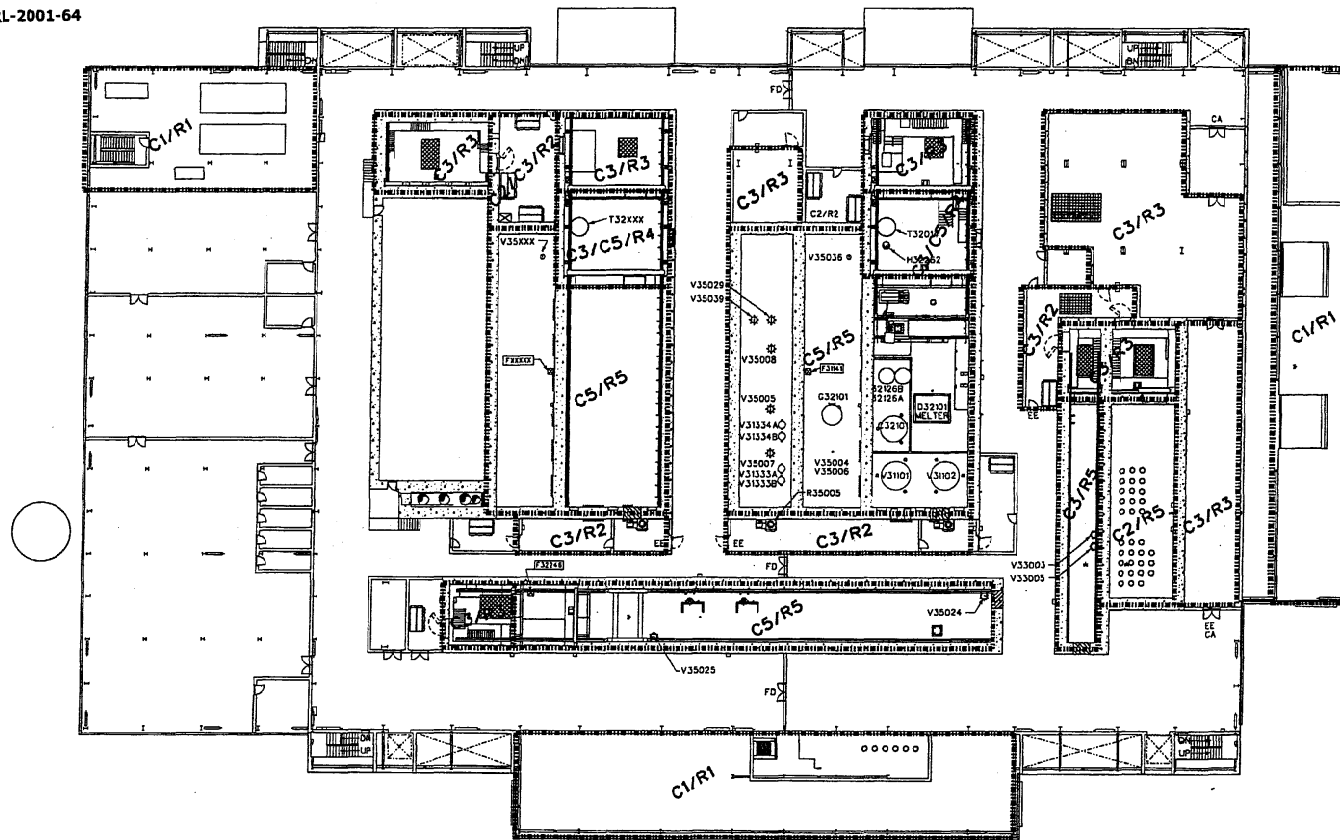


PN	DESCRIPTION	RN	DESCRIPTION	RN	DESCRIPTION	RN	DESCRIPTION	RN	DESCRIPTION
53202	SUBMERGED	M-057	NET PROCESS CELL						
53204	SWAMP	M-033	FATER CAVE						
53304	SWAMP	M-037	CORRIDOR						
53306	SWAMP	M-038	MELTER CAVE NO. 1 - CATCH AREA						
53308	SWAMP	M-039	MELTER CAVE NO. 2 - CATCH AREA						
53310	SWAMP	M-040	MELTER CAVE NO. 3 - CATCH AREA						
53312	SWAMP	M-041	CORRIDOR						
53314	SWAMP	M-042	CORRIDOR						
53316	SWAMP	M-043	CORRIDOR						
53318	SWAMP	M-044	CORRIDOR						
53320	SWAMP	M-045	CORRIDOR						
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53692	SWAMP	M-231	CORRIDOR						
53694	SWAMP	M-232	CORRIDOR						
53696									

HLW - PLAN AT EL. 11'-0"
(FROM EL. 8'-0" TO EL. 16'-0")
SCALE: NOT TO SCALE


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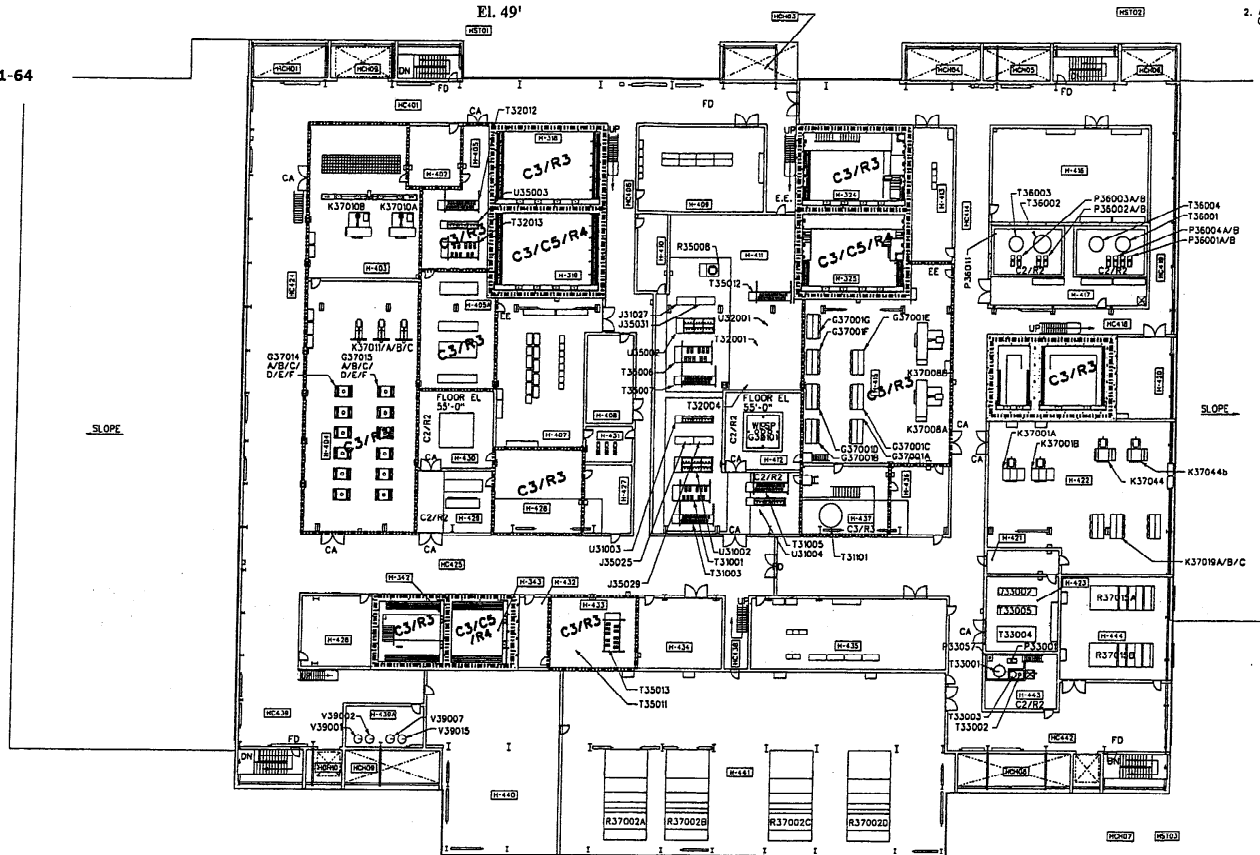
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NOTES:

1.  CONTAMINATION/RADIATION AREA BOUNDARIES
2. ALL OPERATING AREAS ARE DESIGNATED C2/R2 UNLESS NOTED OTHERWISE.

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[illegible]

HLW - PLAN AT EL. 49'-0"
(FROM EL. 36'-0" TO EL. 54'-0")
SCALE: NOT TO SCALE

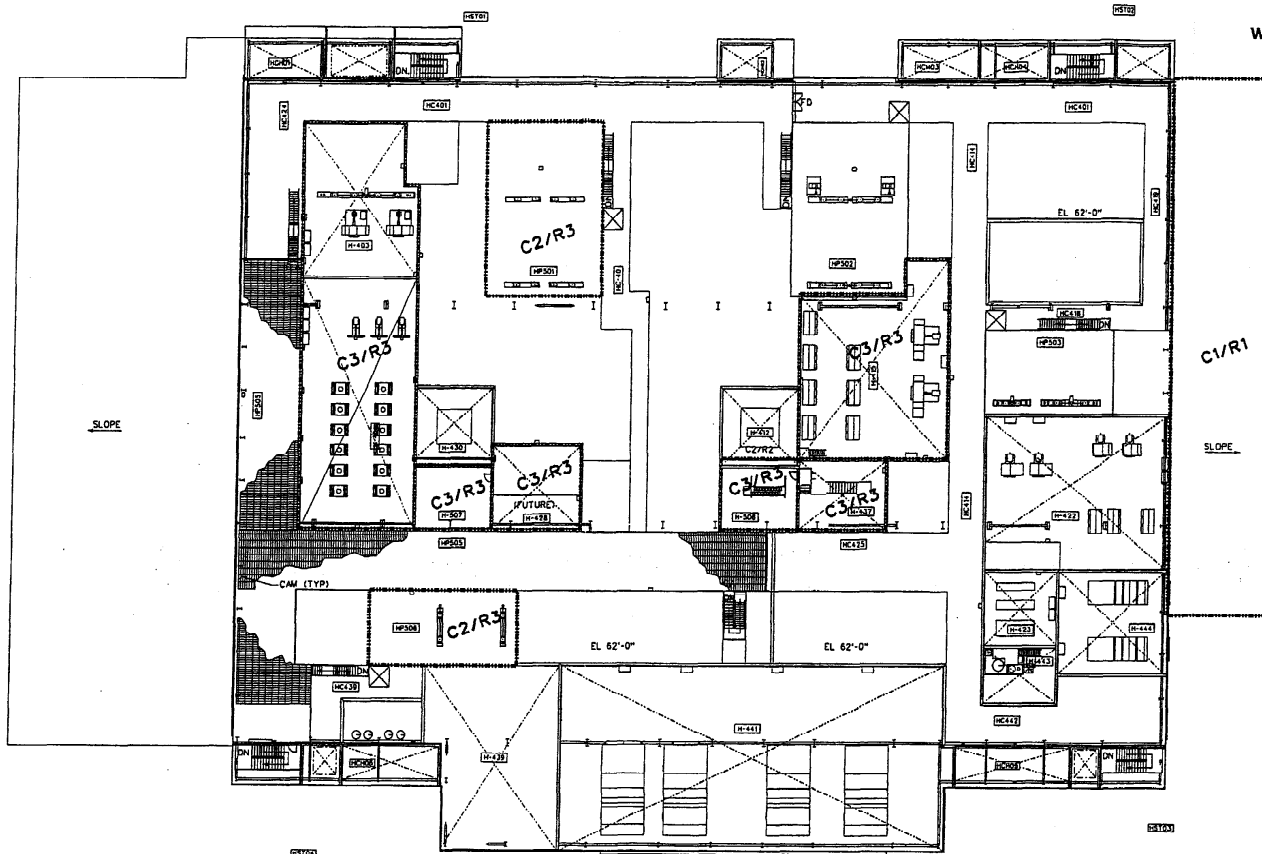


Figure 4A-106 Contamination/Radiation Area
Boundaries HLW - Plan at
EL. 62'

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- NOTES:
1. CONTAMINATION/RADIATION AREA BOUNDARIES
 2. ALL OPERATING AREAS ARE DESIGNATED C2/R3 UNLESS NOTED OTHERWISE.

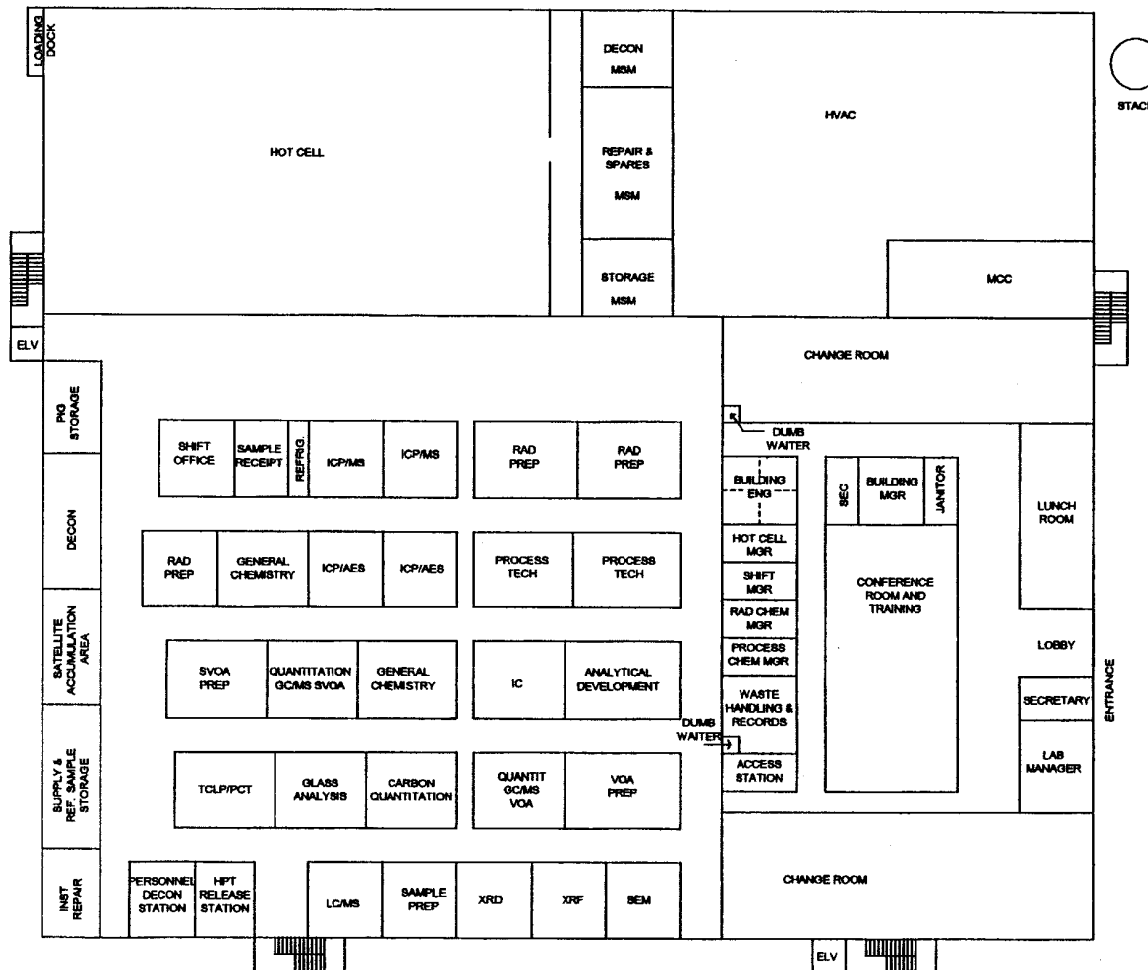
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RM	DESCRIPTION	RM	DESCRIPTION
H-403	C3 EXHAUST FAN & VESSEL VENT FAN SYS.	H-409	VERTICAL CHASE
H-404	VESSEL VENT FAN & TAILER ROOM	H-410	VERTICAL CHASE
H-412	WESP BLUZE ROOM	H-413	VERTICAL CHASE
H-415	C3 EXHAUST FILTERS ROOM	H-414	VERTICAL CHASE
H-417	C3 STORES EXHAUST FAN AND FILTERS	H-415	VERTICAL CHASE
H-423	DECON SERVICES ROOM	H-416	VERTICAL CHASE
H-425	GLASS FORMER FEED ROOM (FUTURE)	H-417	VERTICAL CHASE
H-430	WESP BLUZE ROOM (FUTURE)	H-418	VERTICAL CHASE
H-437	GLASS FORMER FEED ROOM METER 1	H-419	VERTICAL CHASE
H-438	COOKING WATER WASH TANK ROOM	H-420	VERTICAL CHASE
H-441	C3 GENERAL SUPPLY AIR ROOM	H-421	VERTICAL CHASE
H-444	C3 STORAGE SUPPLY AIR	H-422	VERTICAL CHASE
H-450	SHIELD DOOR MANT AREA	H-423	VERTICAL CHASE
H-451	SHIELD DOOR MANT AREA	H-424	VERTICAL CHASE
H-452	SHIELD DOOR MANT AREA	H-425	VERTICAL CHASE
H-453	SHIELD DOOR MANT AREA	H-426	VERTICAL CHASE
H-454	SHIELD DOOR MANT AREA	H-427	VERTICAL CHASE
H-455	WESP SERVICES ROOM (FUTURE)	H-428	VERTICAL CHASE
H-456	WESP SERVICES ROOM	H-429	VERTICAL CHASE
H-457	STAIRWELL	H-430	VERTICAL CHASE
H-458	STAIRWELL	H-431	VERTICAL CHASE
H-459	STAIRWELL	H-432	VERTICAL CHASE
H-460	STAIRWELL	H-433	VERTICAL CHASE

HLW - PLAN AT EL. 62'-0"
(FROM EL. 54'-0" TO EL. 66'-0")
SCALE: NOT TO SCALE

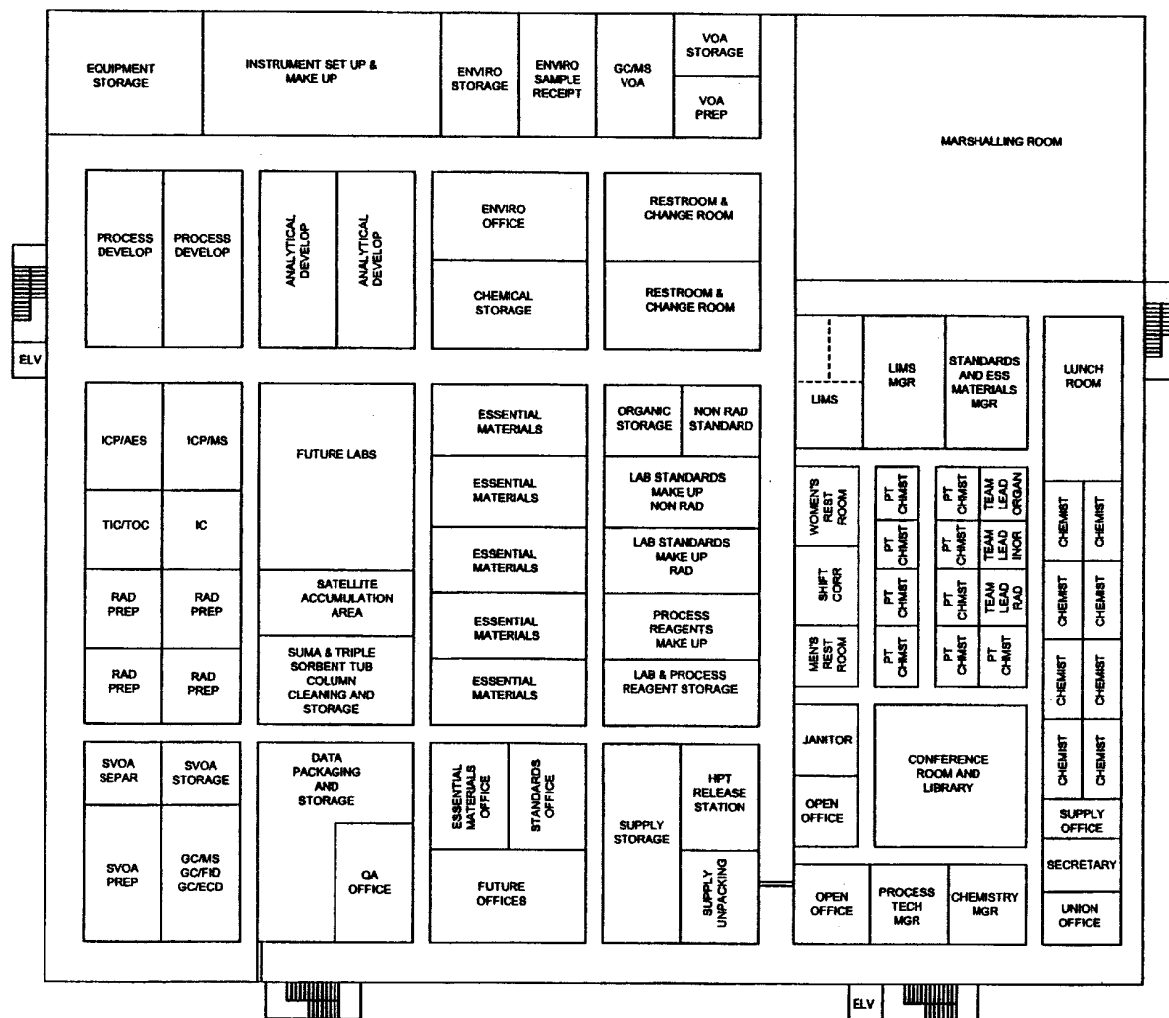
Figure 4A-107 Analytical Laboratory Main Level General Arrangement



Analytical Laboratory - Main Level General Arrangement

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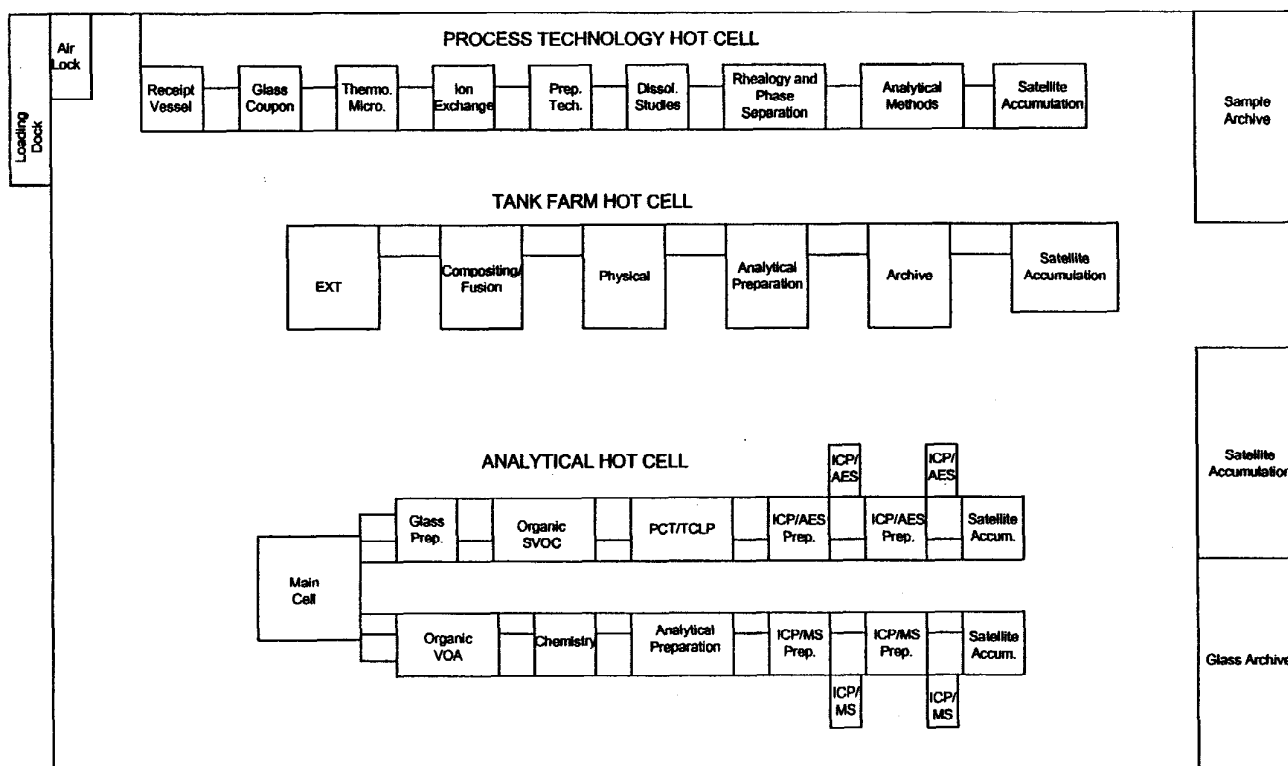
Figure 4A-108 Analytical Laboratory Second Floor General Arrangement



Analytical Laboratory - Second Floor General Arrangement

DOE/RL-2001-64

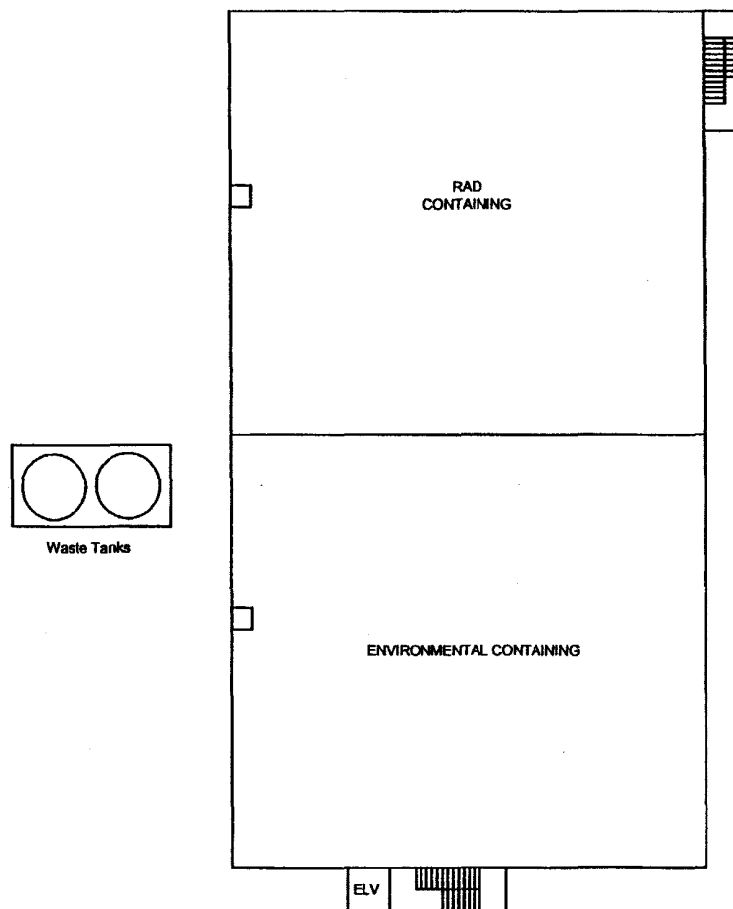
Figure 4A-109 Analytical Laboratory Hot Cell General Arrangement



Analytical Laboratory - Hot Cell General Arrangement

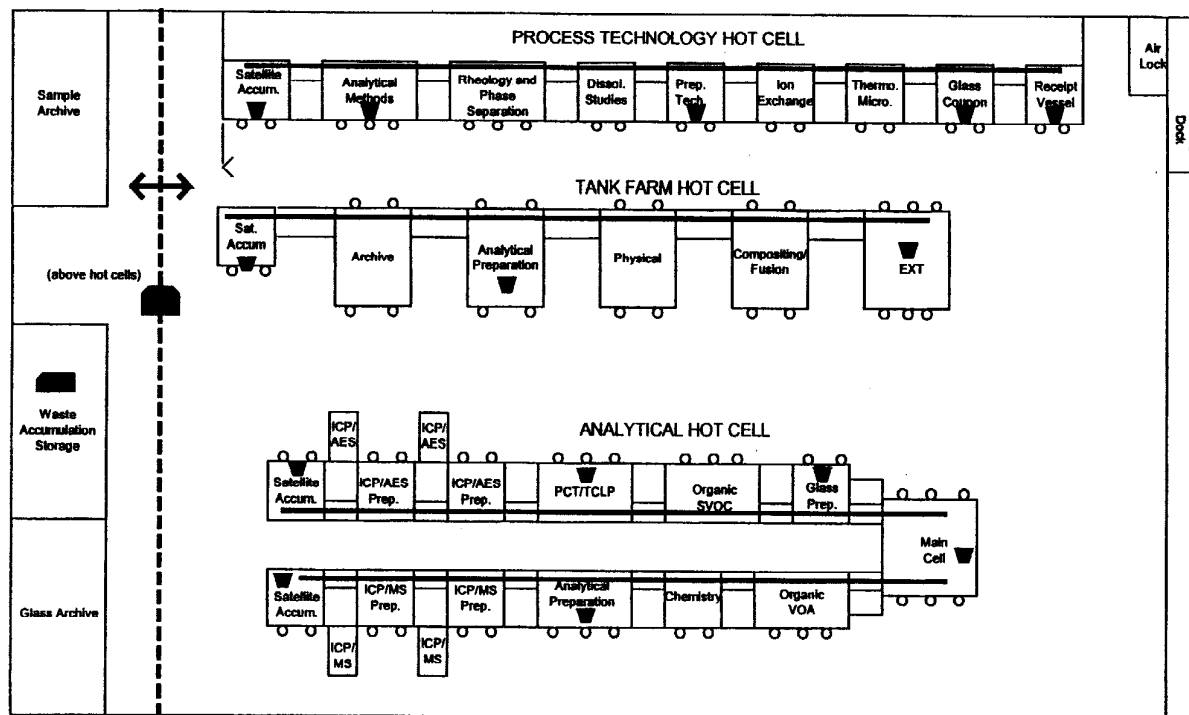
Figure 4A-110

Analytical Laboratory Basement Level General Arrangement



Analytical Laboratory - Basement Level General Arrangement

Figure 4A-111 Analytical Laboratory Hot Cell Mechanical Systems



Analytical Laboratory - Hot Cell Layout Mechanical Systems

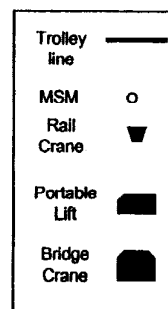
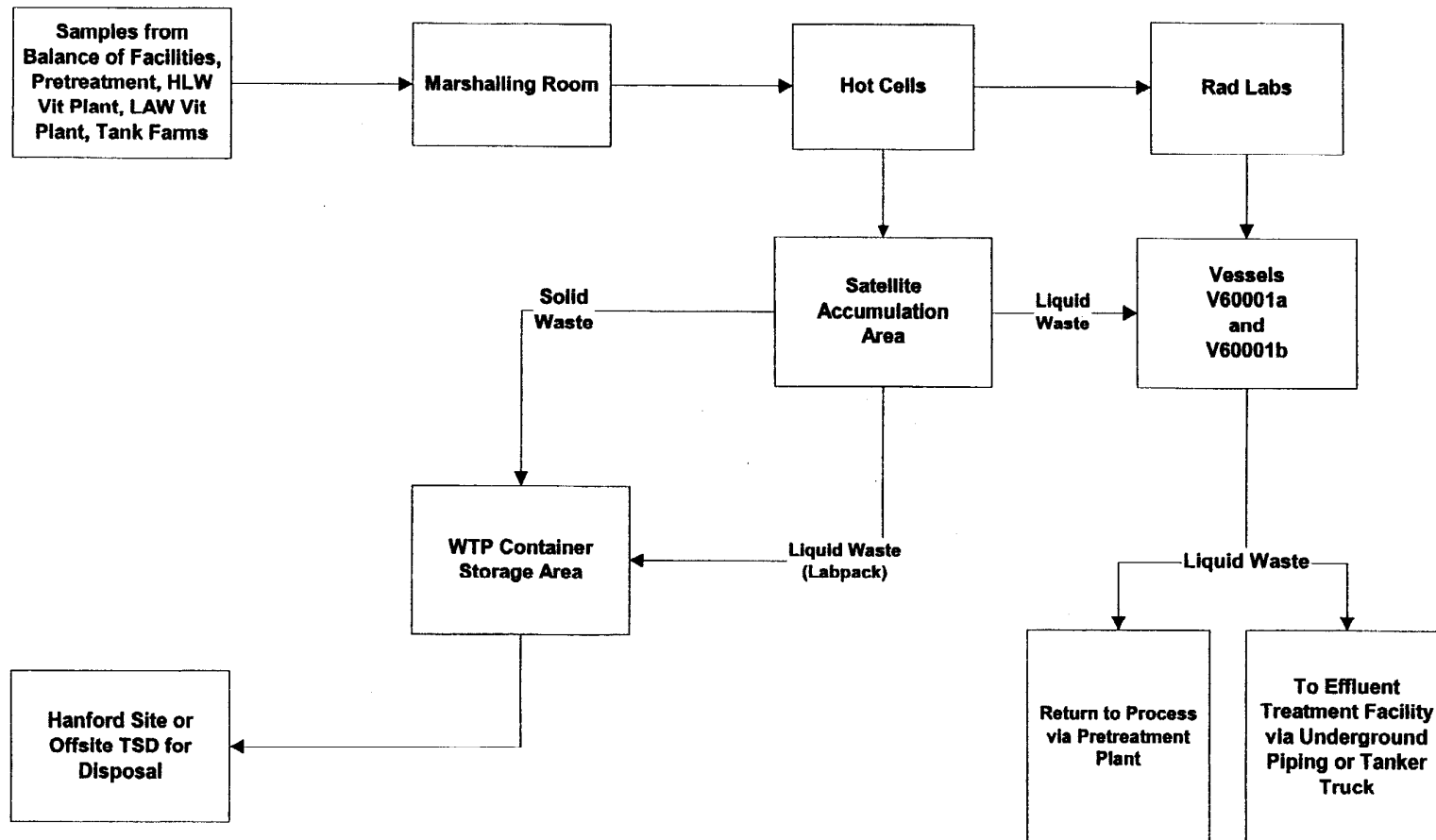
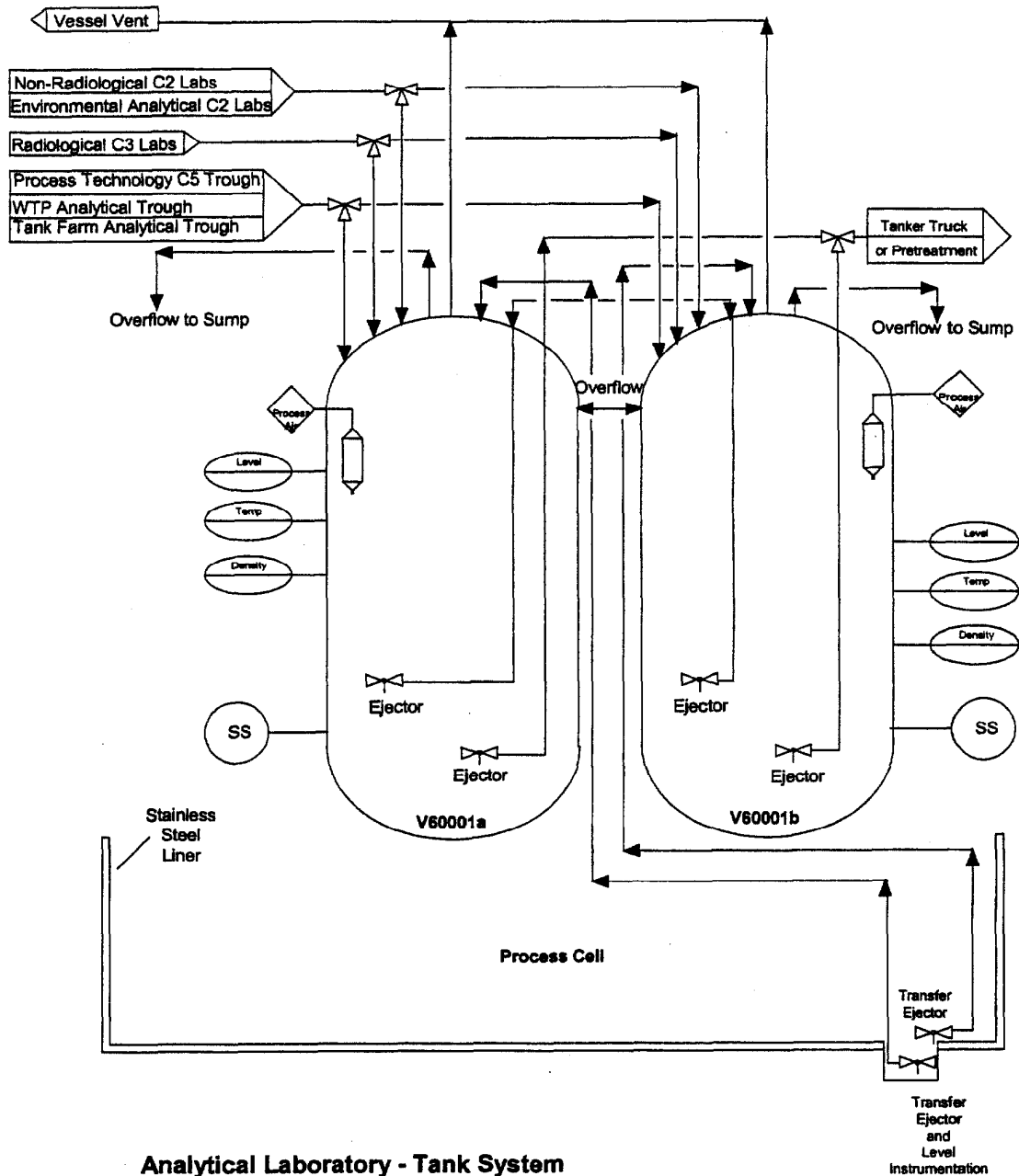


Figure 4A-112 Analytical Laboratory Simplified Process Flow



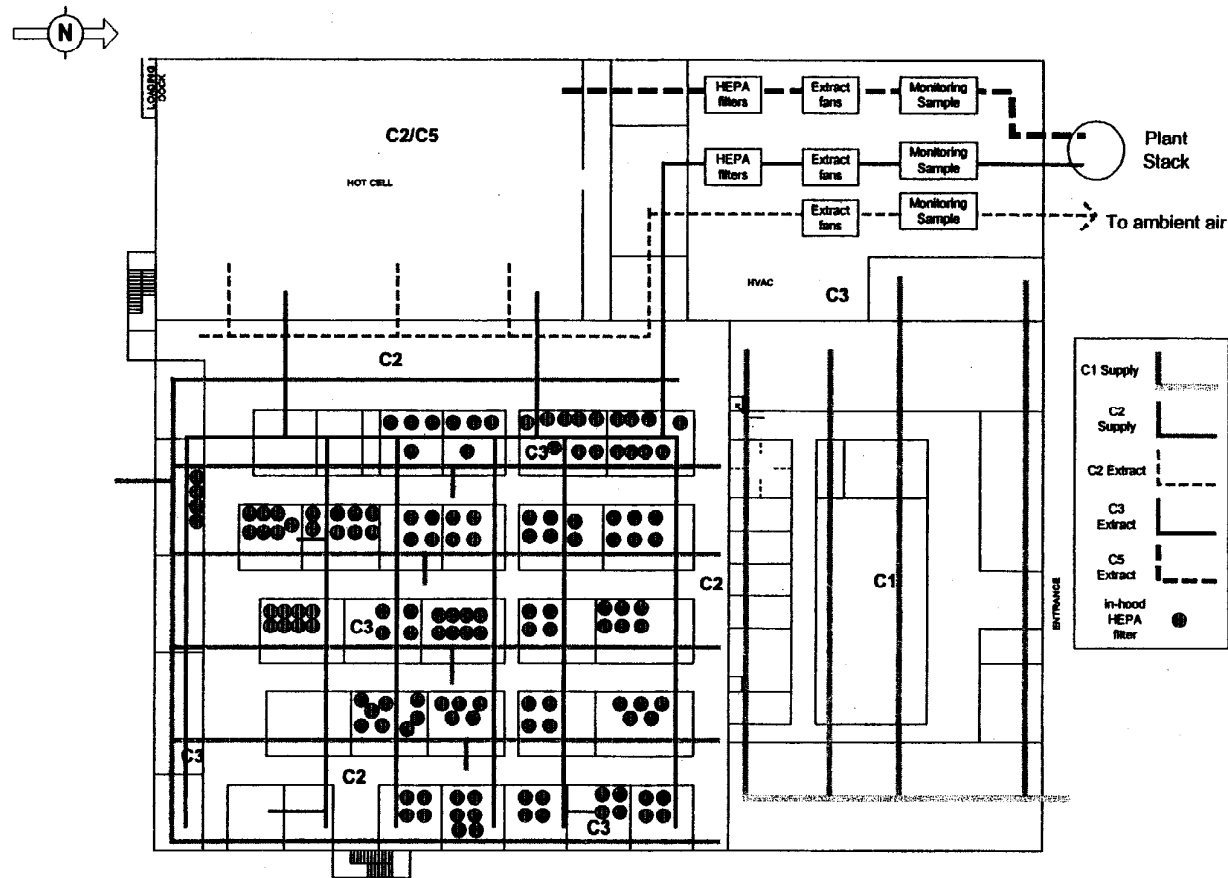
Analytical Laboratory - Simplified Process Flow

Figure 4A-113 Analytical Laboratory Tank System



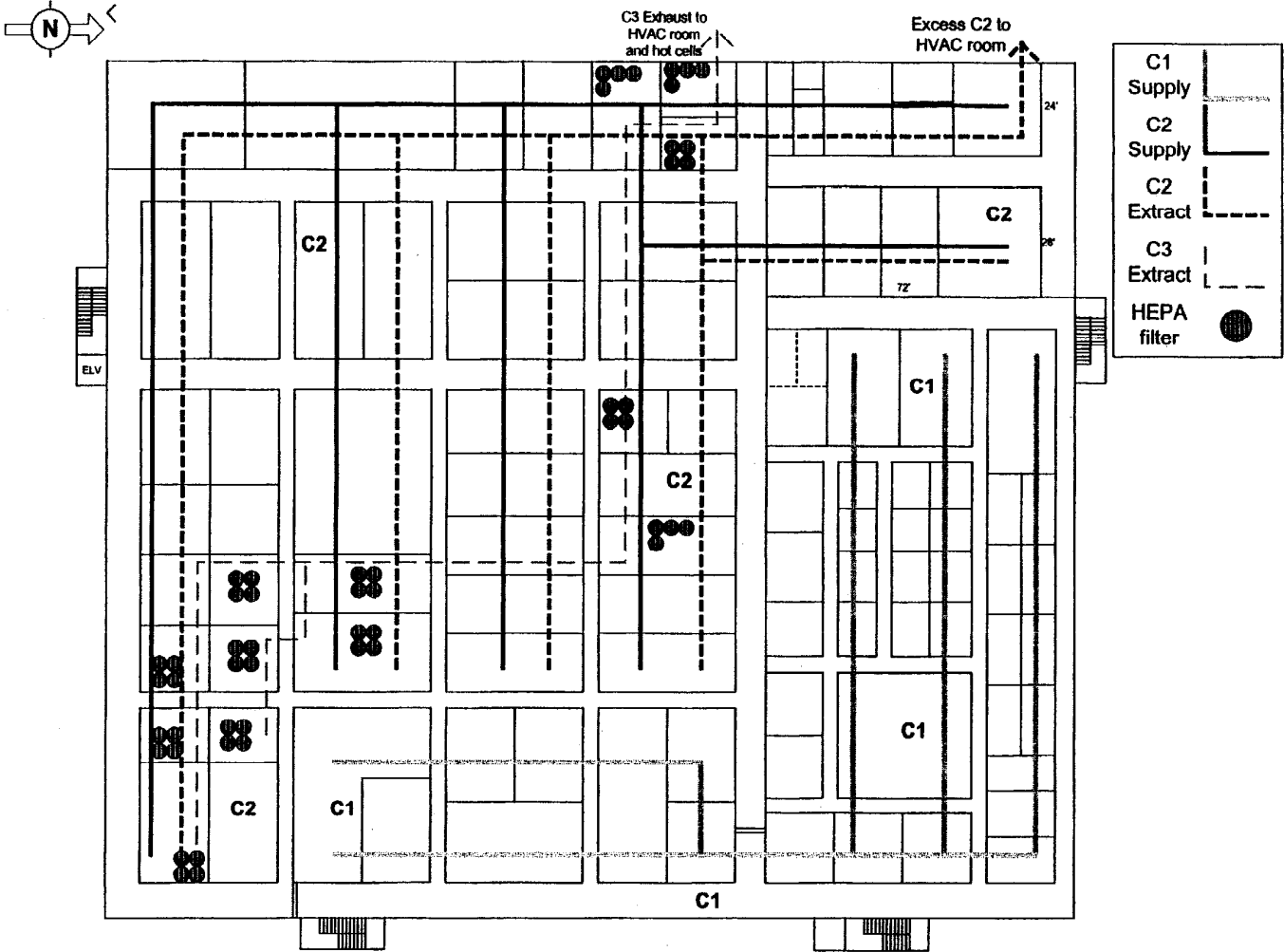
Analytical Laboratory - Tank System

Figure 4A-114 Analytical Laboratory Main Floor Ventilation



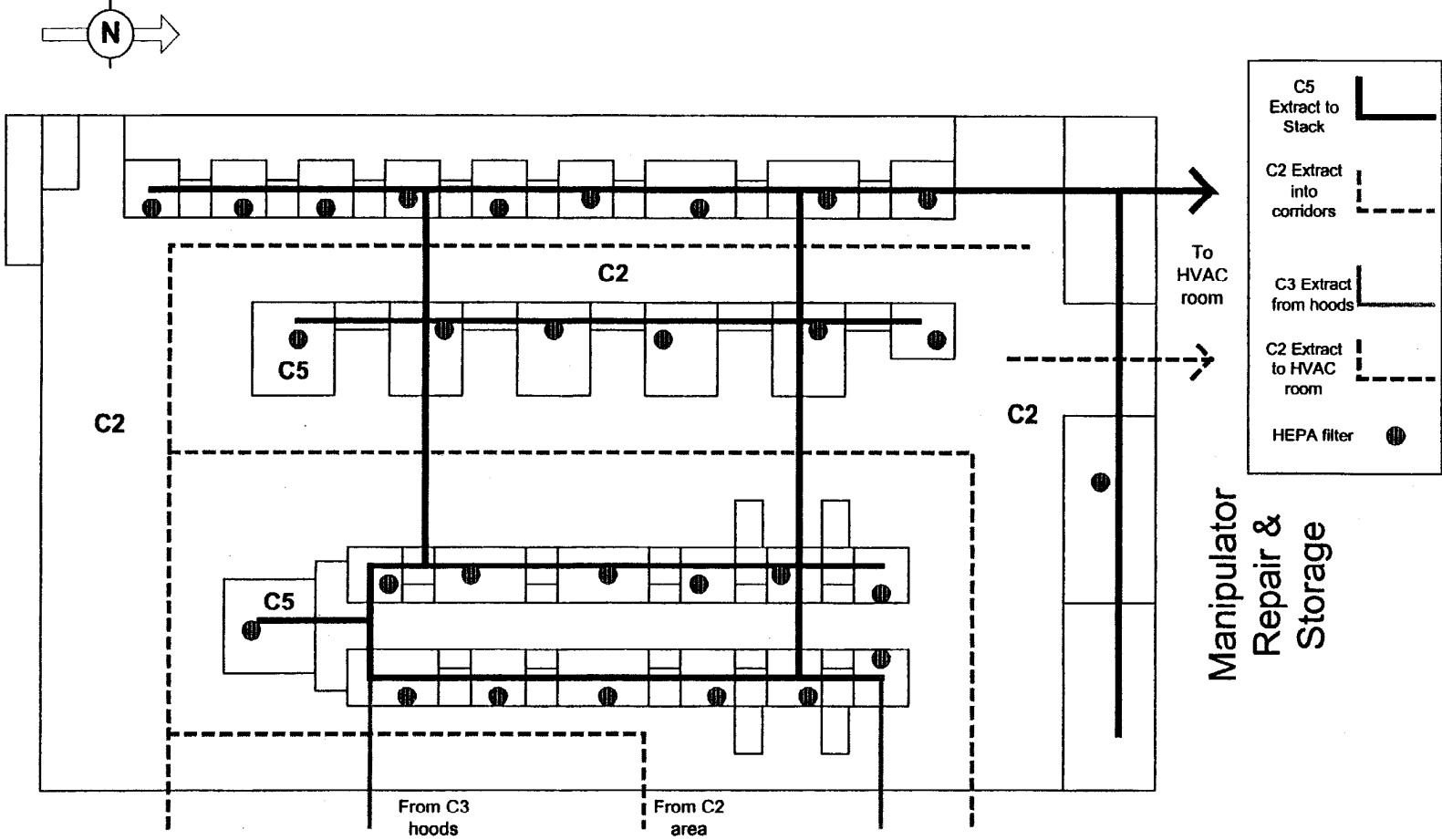
DOE/RL-2001-64

Figure 4A-115 Analytical Laboratory Second Floor Ventilation



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Figure 4A-116 Analytical Laboratory Hot Cell Ventilation



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Figure 4A-117

Analytical Laboratory Basement Level Ventilation

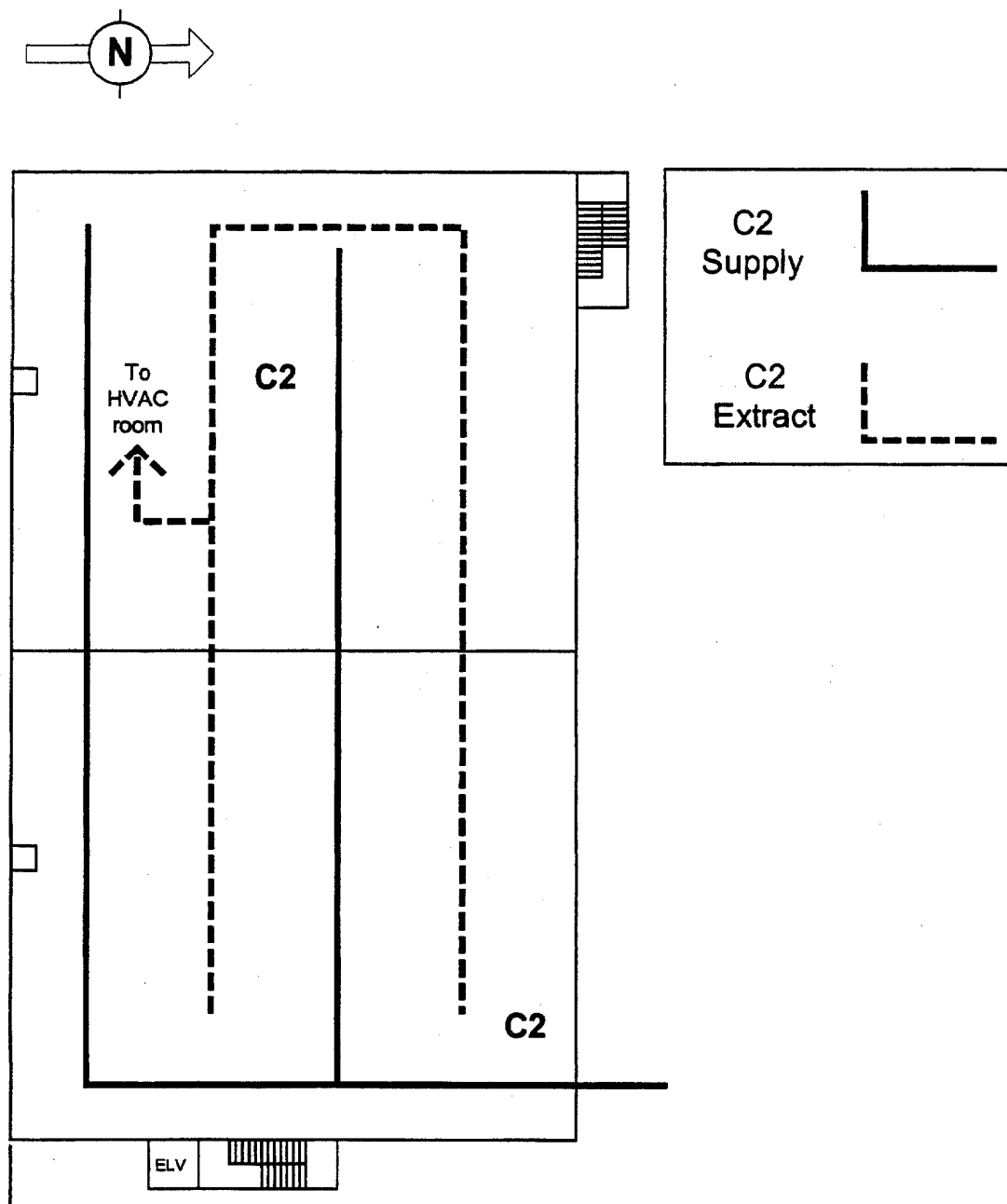
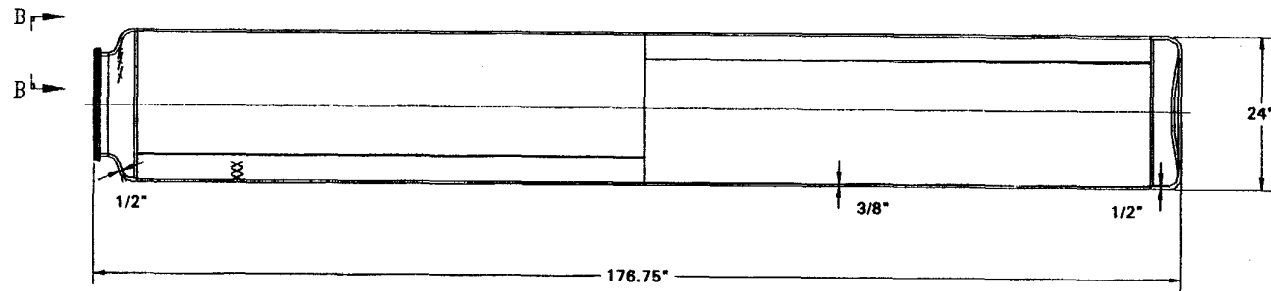


Figure 4A-118 Schematic of an Example IHLW Container and Label



CANISTER ASSEMBLY

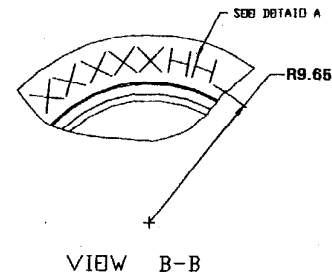
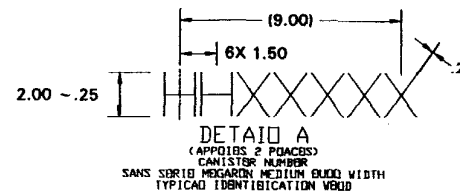


Figure 4A-119

Schematic of an Example ILAW Container and Label

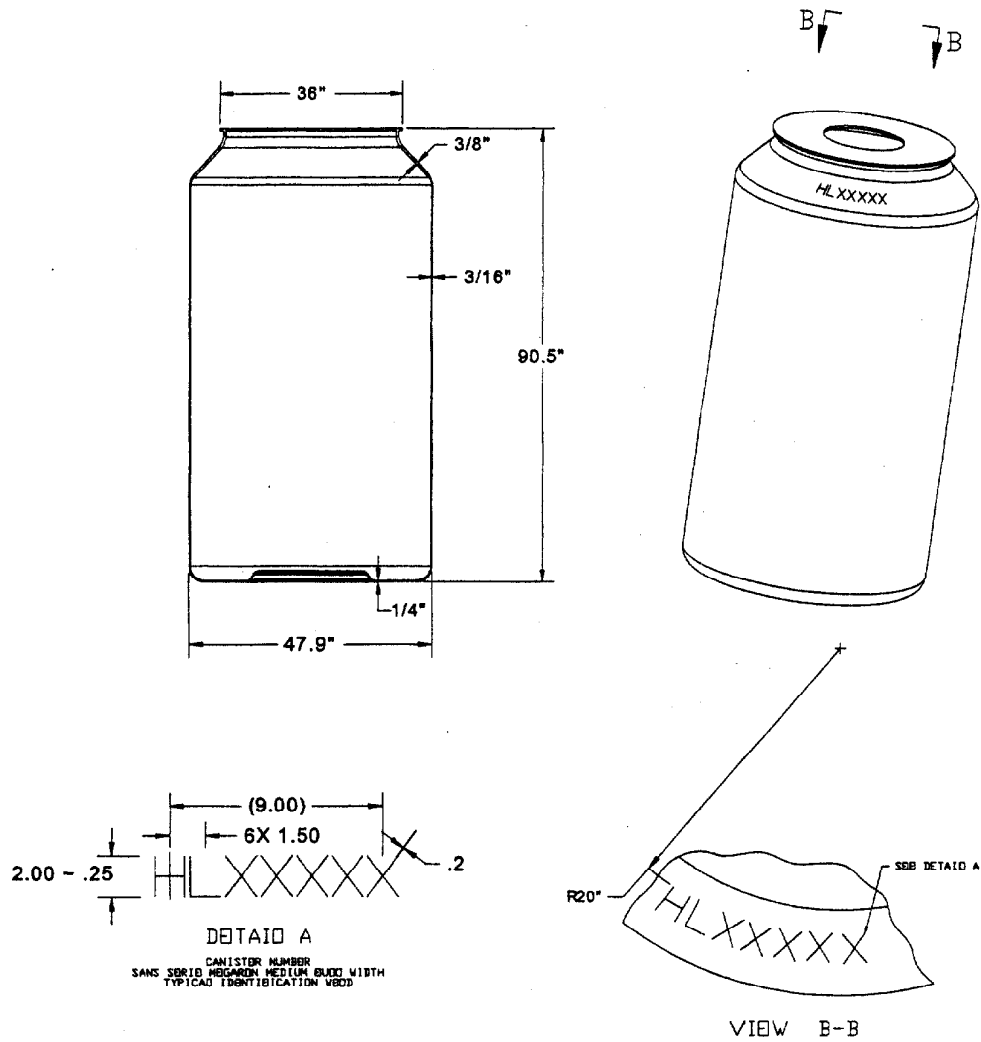


Figure 4A-120

Typical Arrangement of a Reverse Flow Diverter

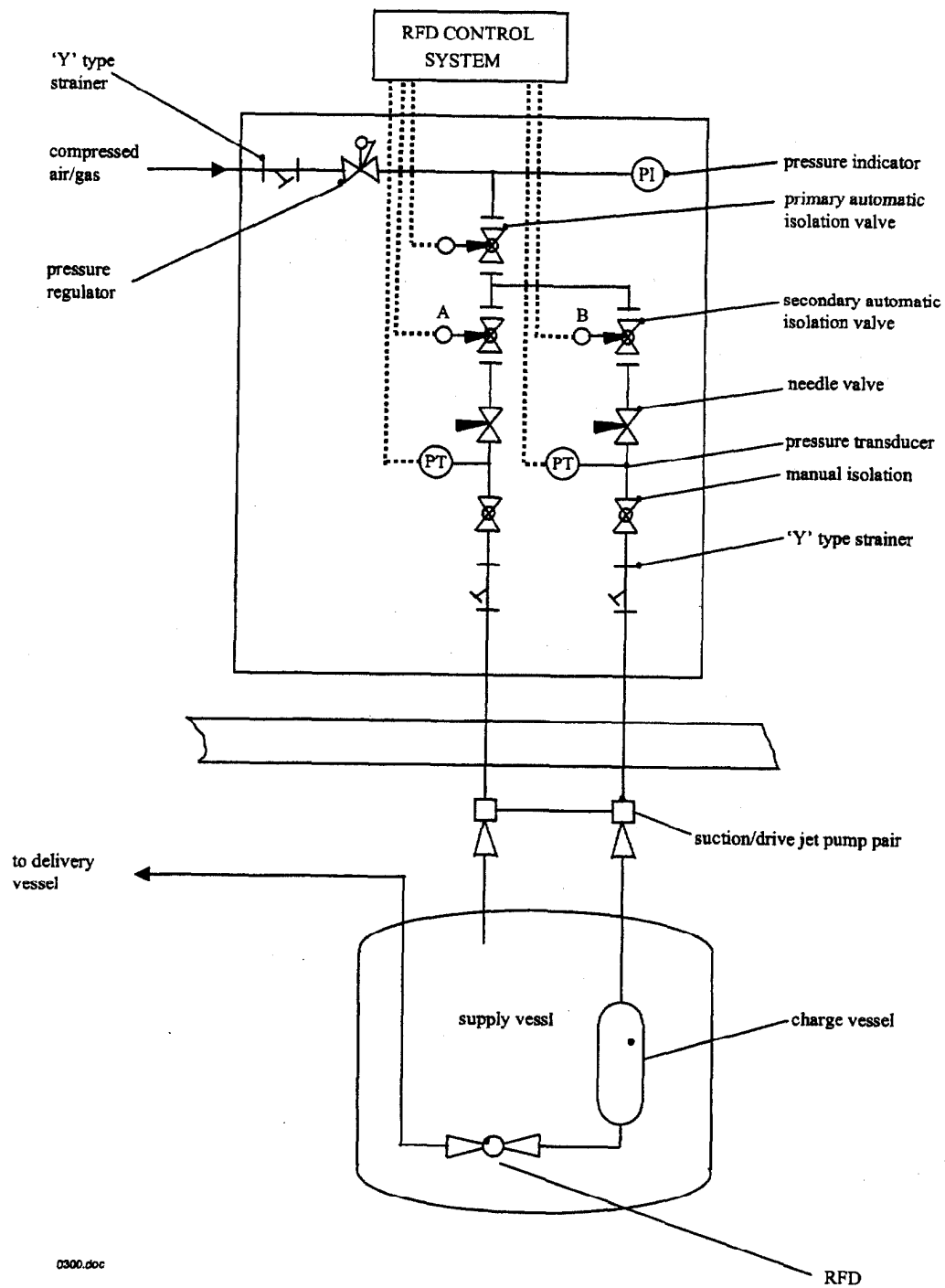
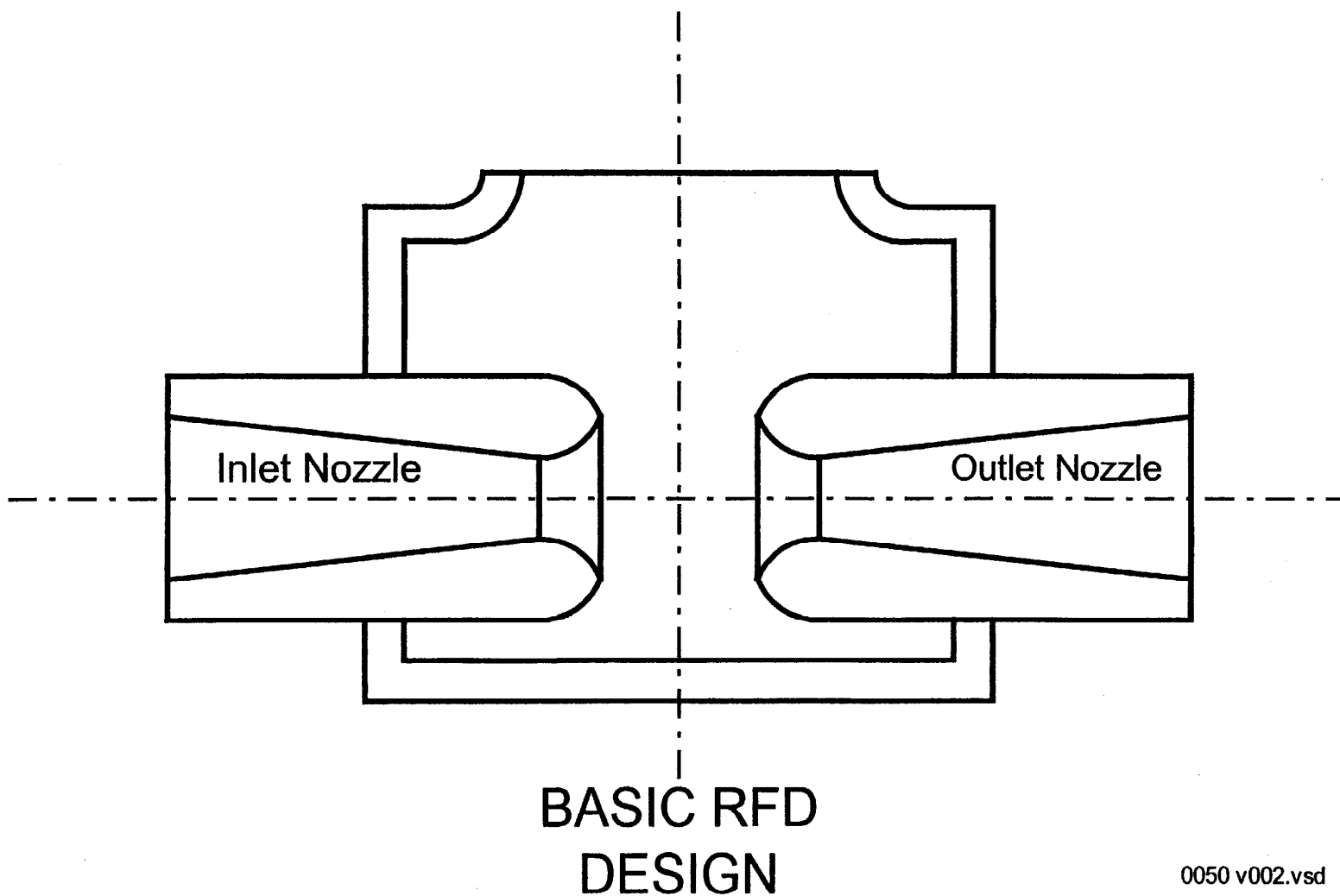
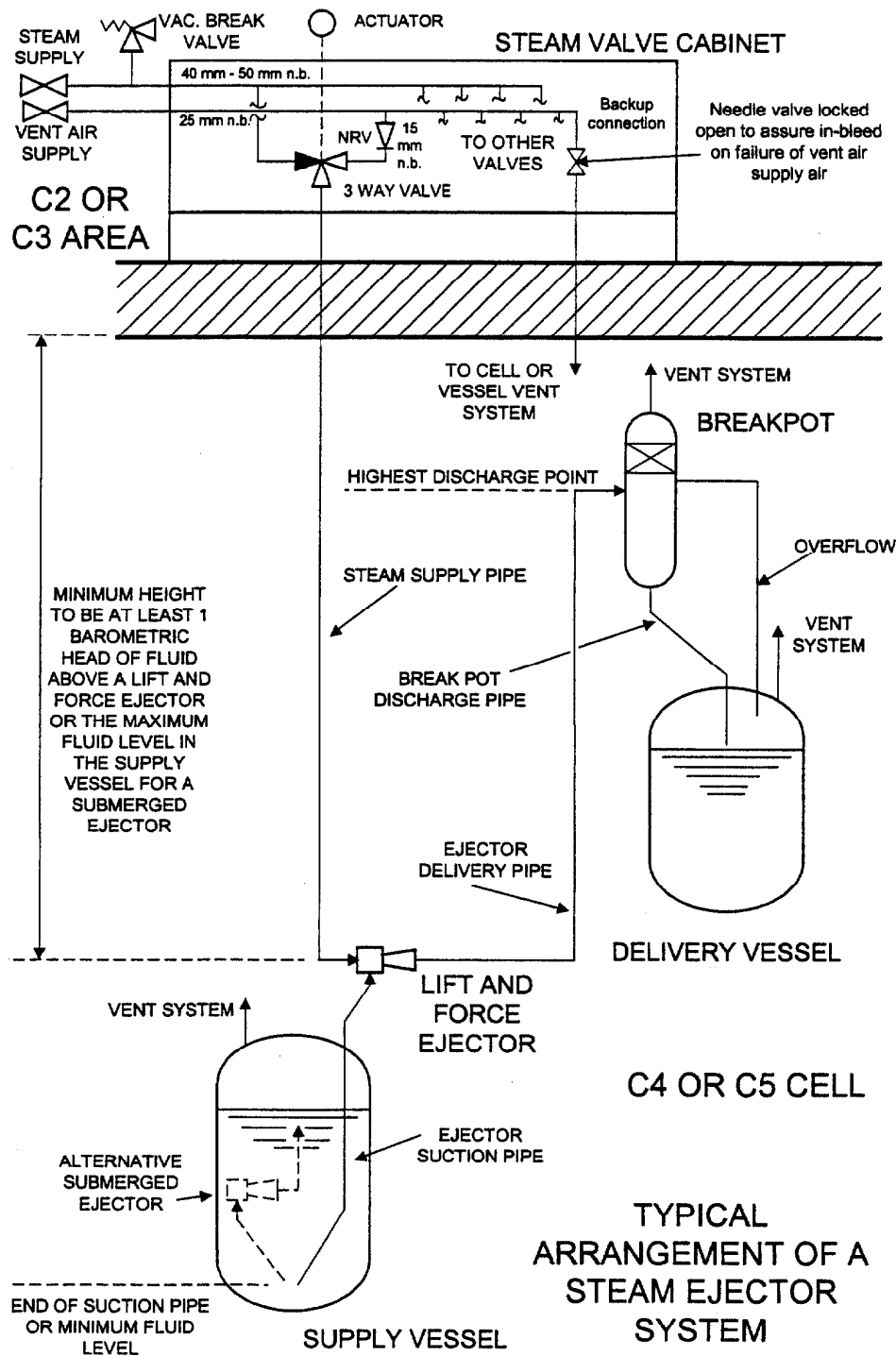


Figure 4A-121 Basic Reverse Flow Diverter Design



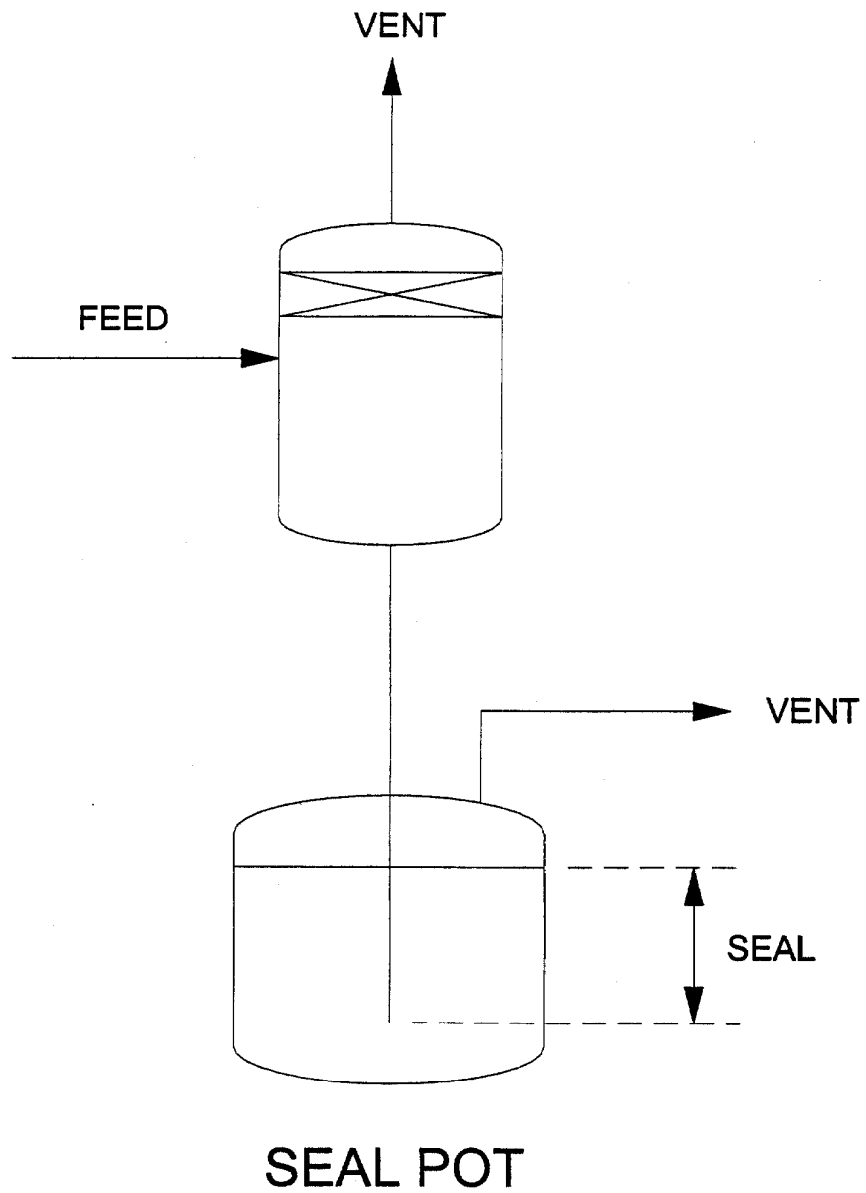
DOE/RL-2001-64

Figure 4A-122 Typical Arrangement of a Steam Ejector System



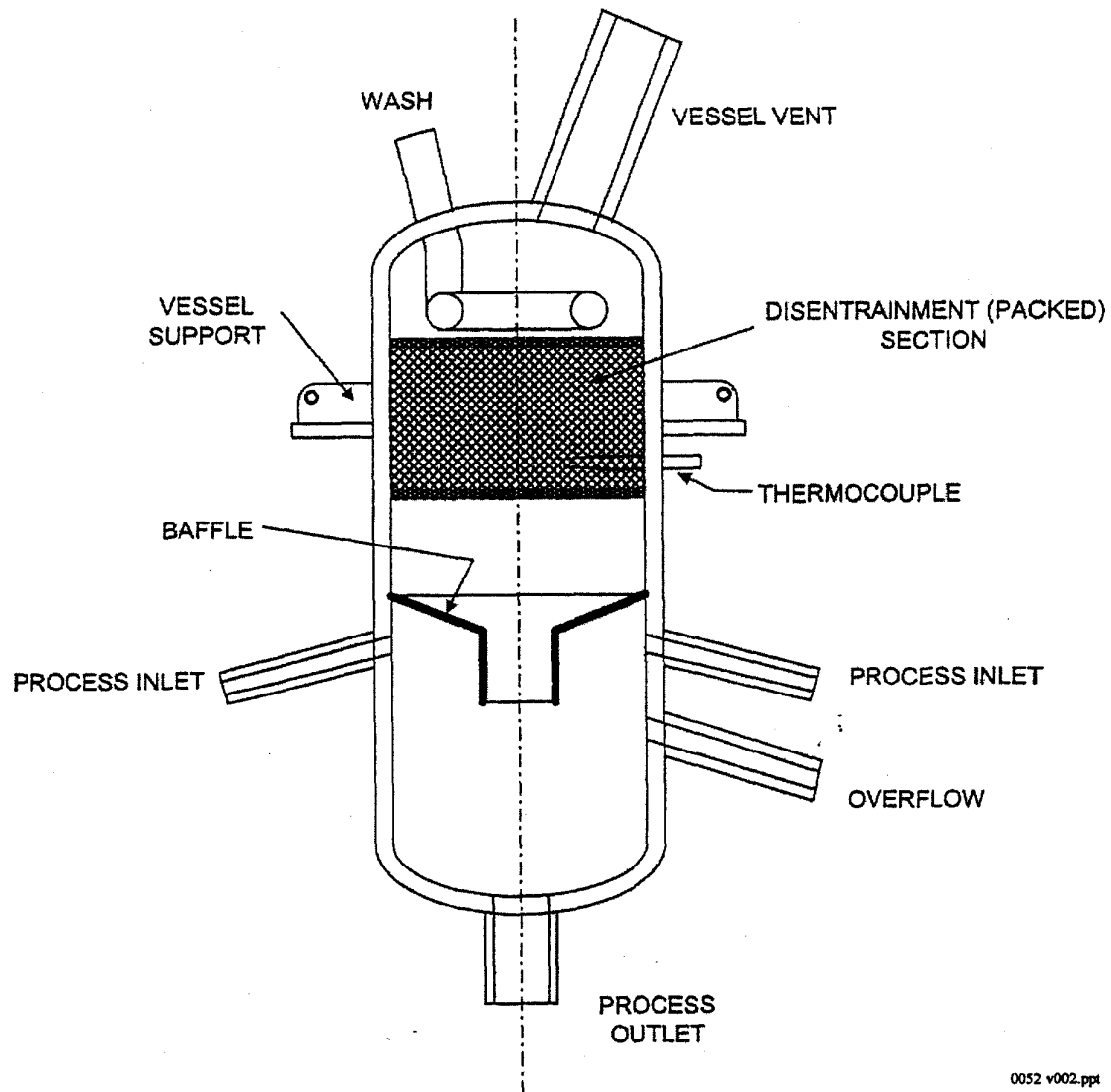
0051 v002.vad

Figure 4A-123 Typical Seal Pot Arrangement



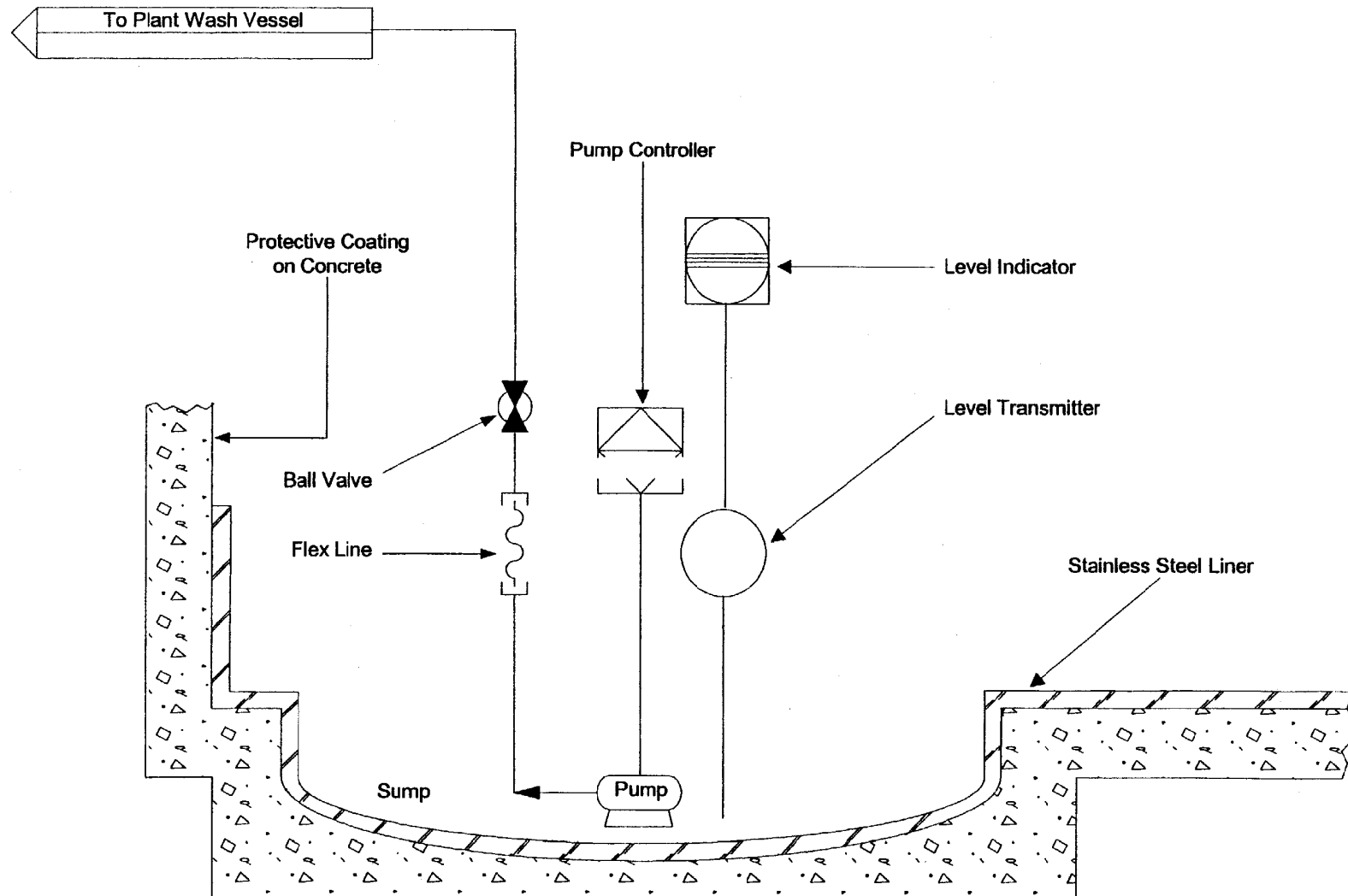
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Figure 4A-124 Typical Breakpot Arrangement



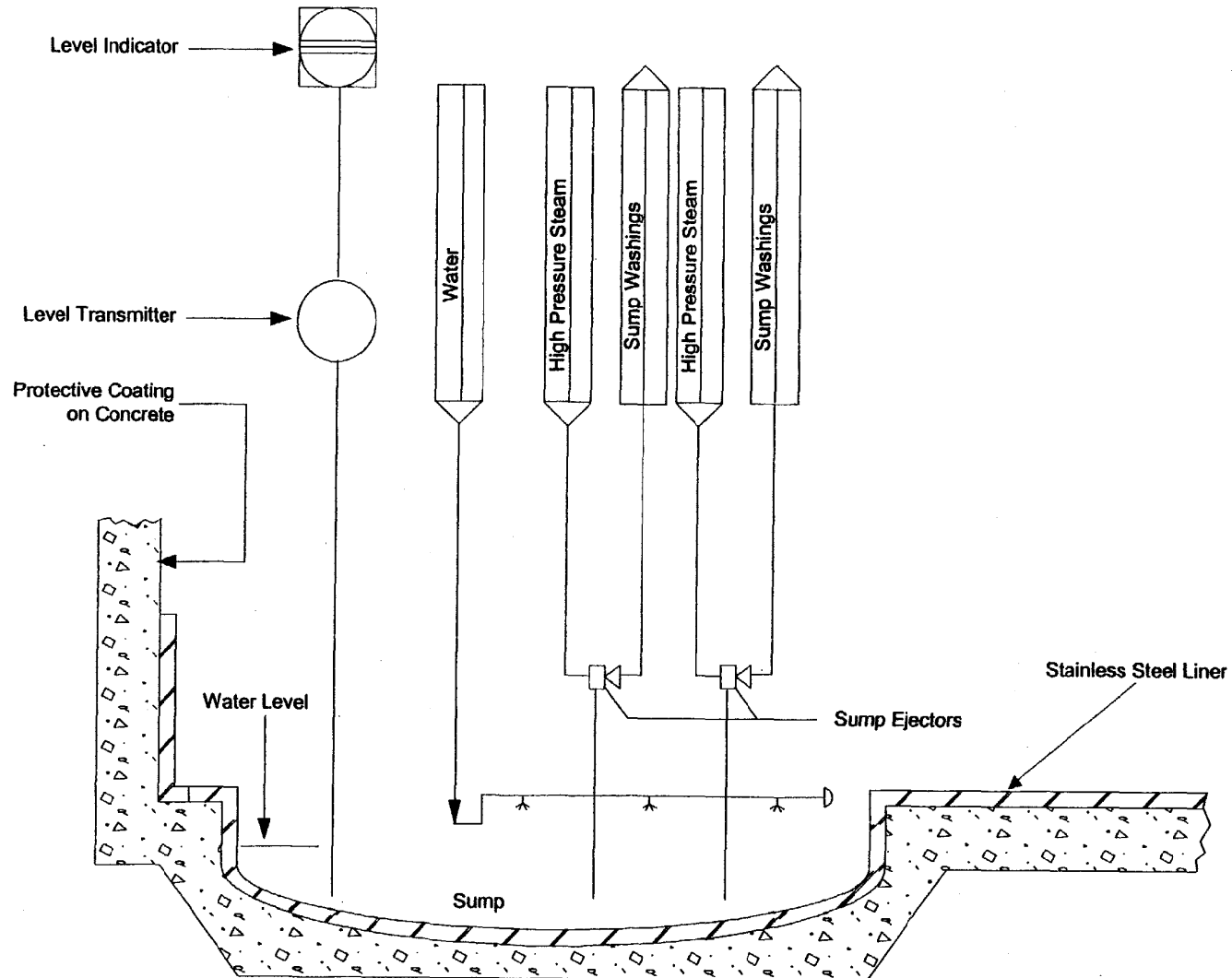
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Figure 4A-125 Typical Type I Sump



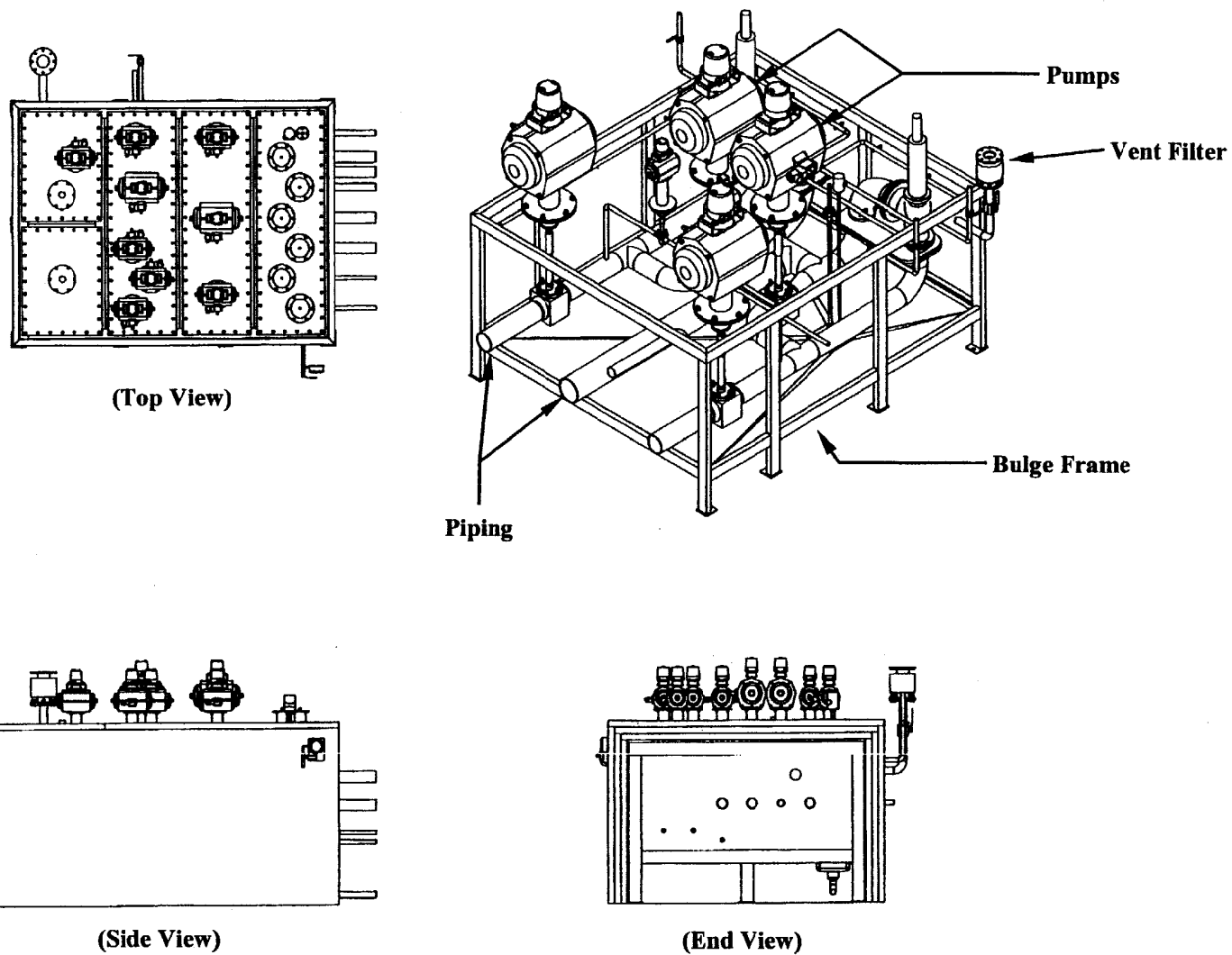
DOE/RL-2001-64

Figure 4A-126 Typical Type II Sump



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Figure 4A-127 Typical Bulge Configuration



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